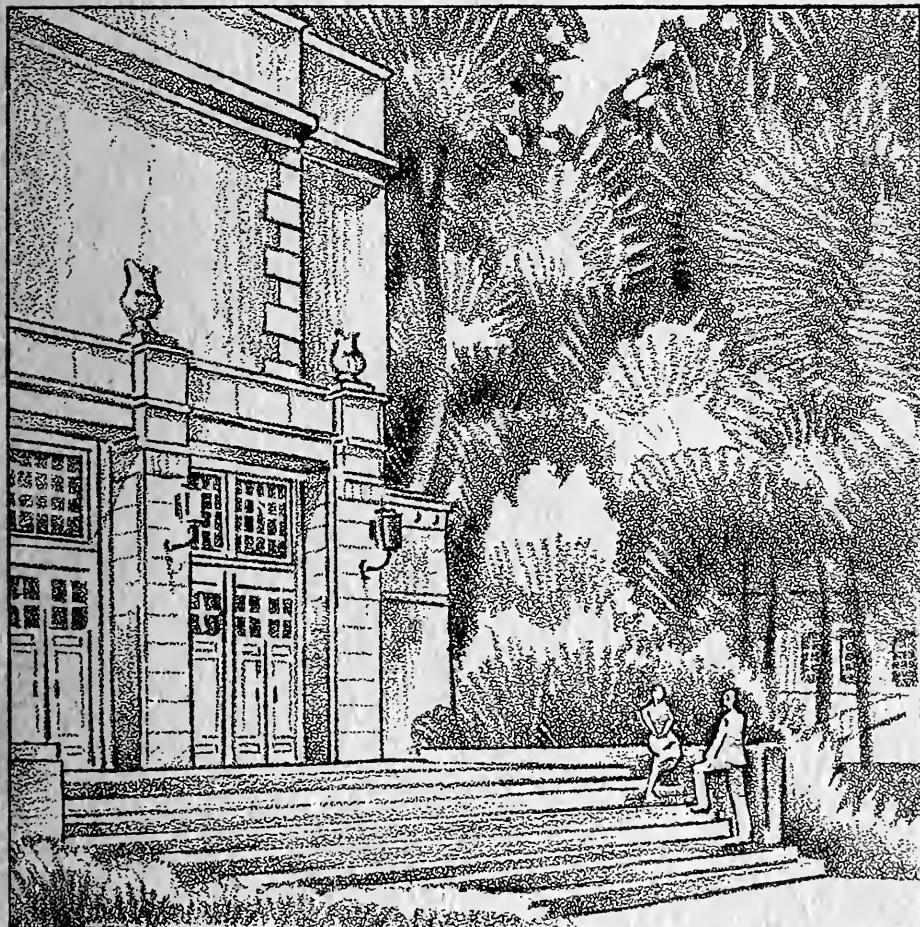


# *The Summer Session* of OHIO UNIVERSITY 1937

FIRST SESSION  
JUNE 14-AUGUST 6

SECOND SESSION  
AUGUST 9-AUGUST 28



OHIO UNIVERSITY BULLETIN

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### THE SUMMER SESSIONS CALENDAR

1937

Registration — Men's Gymnasium	Monday, June 14
Classes Begin	Tuesday, June 15
Progressive Education Conference	Wed., June 16 through Fri., June 18
Applications for Graduation Due in Office of the Registrar Before	Saturday, June 19
The Educational Exhibit	Monday, June 23; Saturday, July 17
Graduation Theses Due in Chubb Library August Candidates	Tuesday, August 3
Baccalaureate Sunday	Sunday, August 1
August Commencement	Friday, August 6
First Summer Session Closes	Friday, August 6
Registration for The Post Summer Session — Office of the Registrar, Ewing Hall	Friday PM, August 6, Saturday AM, August 7
Classes Begin	Monday, August 9
Post Summer Session Closes	Saturday, August 28

1937

JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
			1	2	3	4	5			1	2	3		1	2	3	4	5	6	7
6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14
13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21
20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28
27	28	29	30				25	26	27	28	29	30	31	29	30	31				

# OHIO UNIVERSITY BULLETIN



First Summer Session . . . June 14 - August 6

Post Summer Session . . . August 9 - August 28

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VOLUME XXXIV

FEBRUARY, 1937

NUMBER 2

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Published by the University and Issued monthly in January, February,  
March, April, May, and June

Entered at the Post Office at Athens, Ohio, as Second Class Matter

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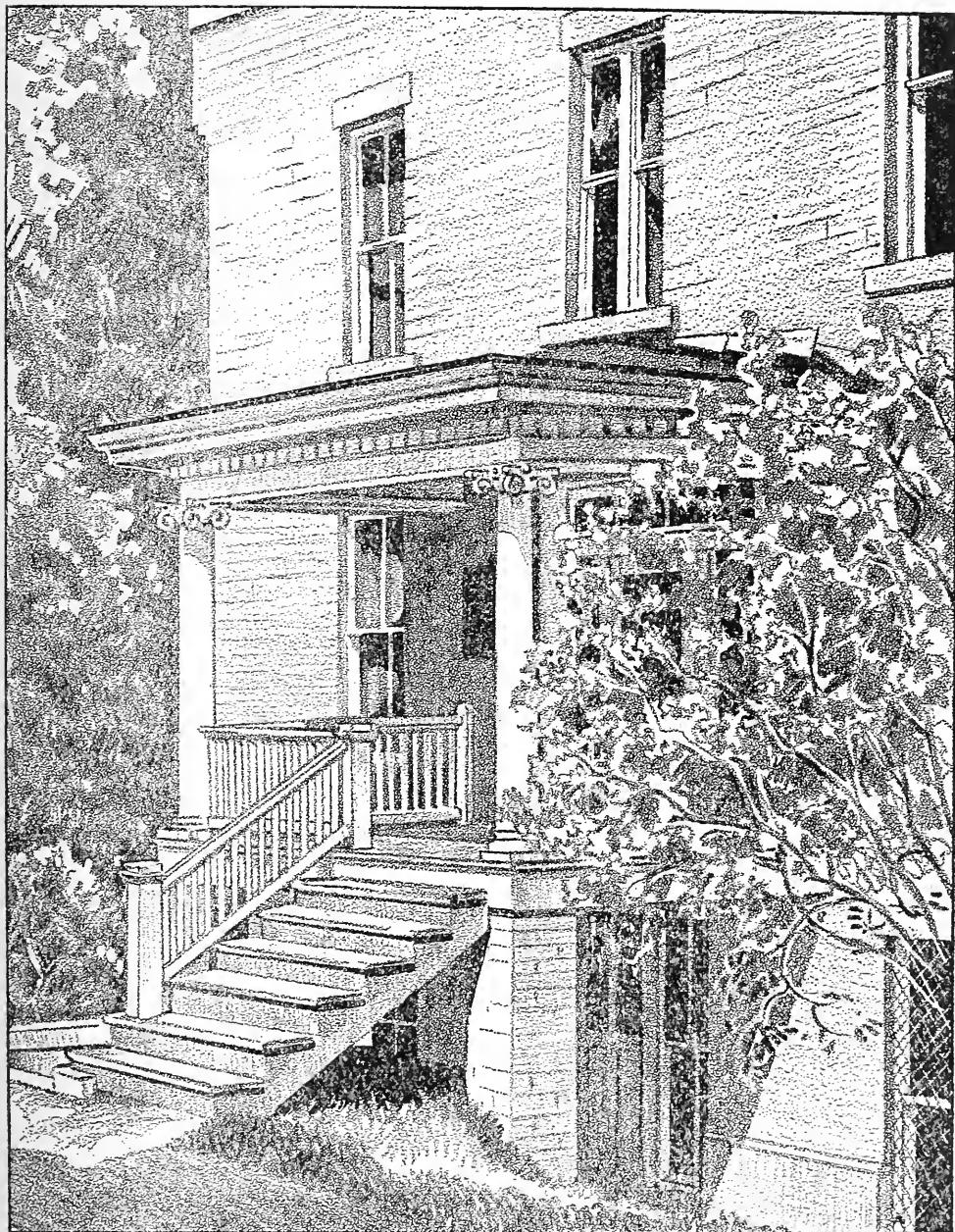
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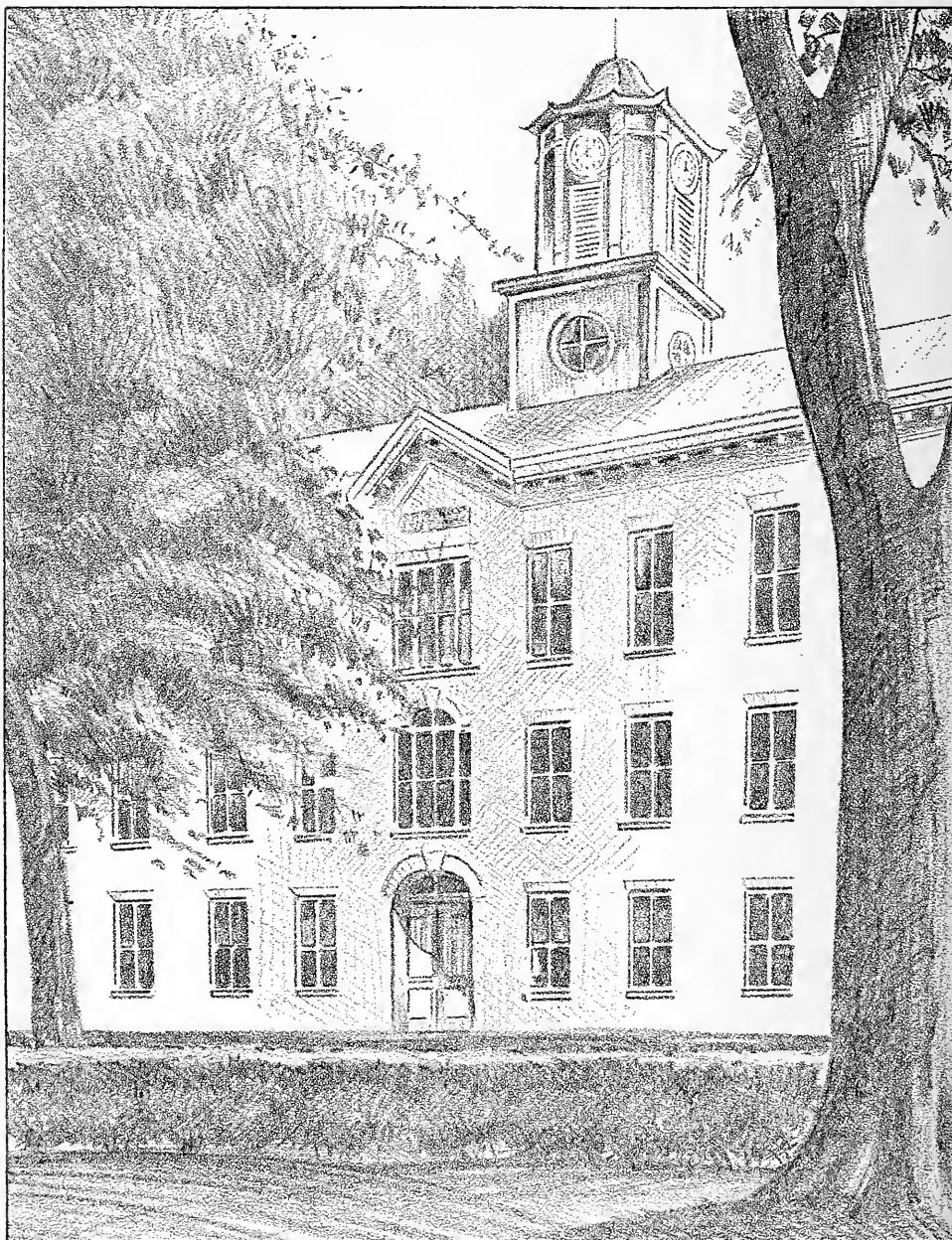
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WEST WING



CUTLER HALL

## THE SUMMER SESSIONS AT OHIO UNIVERSITY

OHIO UNIVERSITY is located in the city of Athens in southeastern Ohio. It is easily accessible from all directions by railroad and automobile. The Baltimore and Ohio, the New York Central, and the Chesapeake and Ohio railroads provide excellent railroad connections. Paved highways from many directions make it easy to drive to the University by automobile. By these routes Athens is one hundred sixty miles from Cincinnati, seventy-six miles southeast of Columbus, and one hundred twenty-five miles northwest of Charleston, West Virginia.

The city of Athens lies in one of the most picturesque parts of the state of Ohio. The city itself is quite hilly and is surrounded by beautiful hills and valleys. The Hocking River flows past it and its broad valley to the east and northwest is divided by a high hill, part of which is well within the city limits. Automobile parties come from distances to view the beauty of the area around Athens. Within short driving distances of the city are some of the most famous natural caves in the state. Student organizations frequently enjoy the recreational opportunities to be found in the natural out-of-doors in the surrounding country. Picnic parties, hiking groups, and bird and flower lovers find the hills and woods near the University sources of rich pleasure.

Recreation in the form of tennis, baseball, and physical welfare, activities on the university playing fields, swimming in the University pool and in the privately owned city pool, and golfing at a nearby golf course is available for summer school students. Entertainments in the form of dances, parties, and receptions are offered at no or at very little cost by the University and under its supervision. Educational and pleasure type convocation programs are offered each week throughout the first session. Speakers and artists of national and international reputations are heard in these university convocations. The University also sponsors conferences in various fields during the summer, thereby offering students opportunity to hear specialists along the lines of their major or general study interests.

Educational effort at Ohio University is included in the work of seven colleges: The University College, an orientation division for all first year students; The College of Arts and Sciences; The College of Commerce; The College of Education; The College of Applied Science; The College of Fine Arts; The Department of Physical Welfare; and The Graduate College. Bachelor's degrees are granted after completion of one year's work in University College and three years in any one of the five undergraduate colleges. Master's degrees are conferred on those students who complete the requirements of the Graduate College in a year of advanced study. The work of the academic year is on a two-semester plan, and two summer sessions. The work of the first summer session is eight weeks in length, and that of the post session, three weeks. The semester credit hours allowed in the summer sessions are on the same basis as in the other sessions. The student load is restricted and the number of class meetings increased in view of the shortened sessions. The summer sessions are an integral part of the university program.

## GENERAL INFORMATION

## ADMISSION

*All correspondence regarding admission of students to the summer sessions of the University should be addressed to the Registrar, Ohio University, Athens, Ohio. An application blank and credentials for admission should be presented to the registrar's office not later than one month preceding the opening of the summer session. If it is impossible for a student to have his credentials forwarded at this time, he should attach the necessary explanation to his application for admission. Not even temporary admission will be granted in the absence of proper credentials. All credentials of matriculated students will be filed in the registrar's office and will remain the permanent property of the University.*

**FRESHMAN STUDENTS.** The university admits without examination all graduates of high schools in Ohio which the State Department of Education has classed as first grade. A student who has completed fifteen acceptable units with satisfactory grades in a first-grade high school may be admitted upon the recommendation of the high school principal. Out-of-state students are accepted if they can qualify for admission to their own state universities. Residents of states which do not support state universities of the same general scope and standard as Ohio University are admitted if they rank in the upper two thirds of their graduating classes.

**TRANSFER STUDENTS.** A student transferring from another college or university must present an official transcript of high school and college credits, including a statement of honorable dismissal. A student transferring from another college or university for the summer session only needs to present only a statement of good standing from the school he last attended or a statement of graduation.

**SPECIAL STUDENTS.** A student who has not graduated from high school and who is twenty-one years of age or older is admitted as a special student if he passes the College Ability Test.

**EXAMINATION FOR ADVANCED STANDING.** A student who desires to receive credit for work done in unaccredited schools should make application to the registrar for permission to take examinations for advanced standing. The application should be made at the time of admission and not later than two weeks after matriculation. The examinations for advanced standing must be taken during the first summer session of the student's attendance. A fee of one dollar is charged for each examination.

**COLLEGE ABILITY TEST.** *All students are required to take a College Ability Test. A student will be notified by a card enclosed with his admission credentials, which will state the date, place, and time of the test. Students who have taken a similar test will be excused from this requirement only if they present an official report giving the form number, the score, and the centile ranking. This report should accompany the transcript submitted with the application for admission. Students who do not have the official report in the registrar's office before the day of registration will be required to take the test at the time indicated. Those who neglect to take the test at the time*

*indicated will be required to take the test at a later time and will be assessed a fee of one dollar to cover the expenses involved.*

*Transfer students who attend the university only during the summer session are not required to take the test.*

**AUDITORS.** A student who is a graduate of a first-grade high school or who is twenty-one years of age or more may enroll as an auditor. A written permission from the instructor of the class the student wishes to audit must be presented to the registrar's office. A fee of two dollars is charged for each semester hour of the subject. Registration must be made in the registrar's office on the regularly scheduled days.

**GRADUATE STUDENTS.** A student's application for admission to the Graduate College is made on a blank furnished by the registrar. The application accompanied by official transcripts of a student's college record, except when a student has been graduated from Ohio University, must be sent to the registrar. Only graduates of accredited institutions are accepted for admission.

Additional information concerning admission may be found in the general catalog.

## REGISTRATION

**PROCEDURE.** Students register in the men's gymnasium according to the days and hours indicated on the permits to register. Students who have been accepted for admission will receive the permits by mail. Former students will obtain permits upon request by mail or in the registrar's office. Details concerning the registration procedure are given in the schedule of recitations which can be obtained in the registrar's office.

**FEE FOR LATE REGISTRATION.** A fee is charged for late registration. The fee, one dollar, begins on the day following registration day and increases one dollar for each day thereafter. The maximum penalty is five dollars. The schedule of registration days is given in this bulletin, in the general catalog and on the schedule of recitations. Even though a student may receive permission to register after the regular registration period has closed, he will be required to pay the penalty for late registration.

**STUDENT LOAD.** A student's normal load is eight hours. Permission for an additional load must be obtained from the dean of the college in which the student is enrolled or from the executive committee when the dean wishes to present the student's petition. The extra-hour permit card given to the student must be presented during the registration process.

**CHANGE ORDERS.** A student who wishes to add or drop a course must obtain a change order. A student enrolled in the University College obtains a change order from the dean of men or the dean of women. An upperclassman obtains a change order from the dean of the college in which he is enrolled. After the student obtains the order, he must take it directly to the registrar's office. The change of schedule will not be in effect until the order has been presented and accepted by the registrar's office. A course dropped without presenting the order to the registrar's office will be marked F. A fee

of one dollar is charged for a change order after the close of the first week of a summer session.

If a course is added to a schedule after the first week of a summer session, the order must be approved by the Executive Committee.

A student who wishes to change from one degree granting college to another must request permission from the Executive Committee and must pay a fee of two dollars.

**CHANGE OF ADDRESS.** If a student changes his home address after registration, he is expected to notify the registrar in writing at once. Forms are available in the registrar's office. The student is held responsible for any university office communication sent to him at the last address given.

**WITHDRAWAL.** A student may withdraw from the university with the permission of his dean. The dean of men and the dean of women will issue withdrawal orders for students in the University College. Upperclassmen will obtain withdrawal orders from the dean of the college in which they are enrolled. A report of withdrawal by the student to the instructor does not constitute an official withdrawal. The withdrawal is not in effect until the order is filed in the registrar's office. An honorable dismissal is given to a student who officially withdraws from the university.

Withdrawal from the university without official permission will automatically result in the recording of an F grade for each subject. A statement of good standing or honorable dismissal is not made for a student who is on scholastic probation, or has been dropped from the university because of poor scholarship, or who is financially indebted to the university.

## GENERAL REGULATIONS

**CREDIT.** Credit is expressed in semester hours. A semester hour is the equivalent of one recitation or two or more laboratory periods a week throughout a semester of eighteen weeks.

**GRADING SYSTEM.** A, very high; B, high; C, average; D, passing; E, conditioned; F, failure; I, incomplete; W, withdrawn; WP, withdrawn passing; WF, withdrawn failing. A detailed description of the non-passing grades is given in the general catalog.

**POINT SYSTEM.** For each semester hour of credit with the grade of A, a student receives three points; B, two points; C, one point; D, no points; E and I, no points until the final grade is determined; F and WF, no points. W and WP do not affect a student's scholastic average.

**REPORTING OF GRADES.** Grades for all students are reported to the registrar's office at the end of each summer session. No grades are recorded for auditors. E, F, WF, and I grades are reported by mail to the students immediately after the close of each session. Grades are recorded in the student's record book, provided the student leaves his book in a stamped self-addressed envelope in the registrar's office.

**PROBATION.** The scholastic probation regulations for students enrolled in the summer session are the same as outlined in the general catalog.

**TRANSCRIPTS.** A transcript of record is an official copy of a student's record which is issued upon request. Each student is entitled to one transcript free of charge. One dollar is charged for each additional transcript.

A student who wishes to transfer to another college or university should request the registrar's office to send an official transcript to the school.

## GRADUATION

**APPLICATION.** A candidate for a degree or a diploma must file his application for graduation in the registrar's office not later than the dates given in the university calendar. The diploma fee for a degree is five dollars; for a two-year diploma, two dollars and fifty cents. The penalty for application after the time assigned is one dollar. If an applicant fails to meet the requirements for graduation, he is required to re-apply and pay one dollar.

**COMMENCEMENT.** Degrees and diplomas are granted at the commencement exercises held at the end of the first summer session. Attendance at commencement is required. Diplomas are mailed to the students at the close of the post summer session. A student may be excused from commencement exercises by the permission of the president of the university and the dean of the college, and will be assessed a fee of five dollars.

**IN ABSENTIA.** A student who has been given permission to complete the requirements for a degree or a diploma in absentia will be expected to comply with all requirements and with all the graduation regulations with the exception of attendance at the commencement exercises.

**HONORS.** A candidate for a bachelor degree who graduates with high scholastic average is distinguished on the commencement program by the notation "With highest honor" or "With high honor." A student who makes a scholastic average of 2.500 or above graduates "With highest honor." A student who makes a scholastic average below 2.500 and has an average of 2.000 or above graduates "With high honor." A transfer student is similarly distinguished if his entire record meets the requirements.

## FEES AND DEPOSITS

There is no charge for tuition in any of the regular classes, but all students shall pay registration fees for the summer session as indicated here. The treasurer accepts cash, postal money orders, express money orders, and approved personal checks for the exact amount of the obligation. Fees charged in addition to the registration fee are also listed and described below.

## REGISTRATION FEES

### Summer Session (8 weeks)

\*Students who are legal residents of Ohio----- \$22.50

\*\*Non-resident students ----- 35.00

Part-time students who register for less than 5 semester hours

in the summer session, Athletic, Lecture and Entertainment

Fund fee of \$2.50 and for each semester hour----- 3.00

Part-time non-resident students pay in addition a non-resident fee of \$2.00 for the first semester hour and \$1.50 for each additional semester hour.

Post Summer Session, for each semester hour	5.00
Auditing, for each semester hour	2.00

\*A person is entitled to register as a resident of Ohio, who at the time of his first enrollment in the University has been a resident of the State of Ohio for twelve consecutive months next preceding the date of his original enrollment. No person shall be considered to have gained or lost a residence in the state for the purpose of registering in the University by any conduct of his own while he is a student in the University. A person whose legal residence follows that of other persons shall be considered to have gained or lost legal residence in this state for such purpose while a student in the University according to changes of legal residence of such other persons, except that such legal residence shall not be considered to be so gained until twelve months after such persons become legal residents of this state.

The residence of minors shall follow that of the legal guardian, regardless of emancipation; but in case a resident of Ohio is appointed guardian of a non-resident minor, the legal residence of such minor for the purpose of this rule shall not be considered to be established in the State of Ohio until the expiration of twelve months after such appointment.

\*\*Students coming from states which do not have state universities similar in scope and standards to Ohio University will pay a registration fee of \$47.50. These states are Massachusetts and New York.

#### MUSIC FEES

Band Instruments, Organ, Piano, Violin, Violoncello, Voice	
One lesson a week	\$ 7.50
Two lessons a week	12.00
Ensemble Conducting	12.00
Harmony — private instruction	8.00

#### MISCELLANEOUS FEES

Bureau of Appointments — registration fee	\$ 1.00
Change Order	1.00
College Ability Test not taken at the regular time	1.00
Graduation	
For degree	5.00
For two-year teacher's course	2.50
For re-application	1.00
Penalty for late application	1.00
For excuse from commencement	5.00
Examination for advanced standing — each examination	1.00
Hospital — for each day	1.50
Late registration, first day	1.00
Each day late	1.00
Maximum penalty	5.00

Library Fee -----	1.00
Record Book (after the first book)-----	1.00
Transcript of Record (after the first transcript)-----	1.00
Transfer from one bachelor's degree granting college to another-----	2.00

### LABORATORY FEES

Laboratory fees are assessed at the rate of one dollar for one semester hour of credit. Laboratory fees are indicated in the description of the course. See section on Courses of Instruction. These fees are assessed and must be paid at registration time.

### BREAKAGE FEES

All laboratory courses in chemistry require a breakage deposit of three dollars. When the fee is paid, a deposit card is issued to the student. This card is deposited by the student with the Department of Chemistry and entitles the student to a desk properly supplied with apparatus. Any needed supplies are checked from the card and any unused portion of the fee is returned at the end of the summer session or upon official withdrawal from the course.

### REFUND OF FEES

In case of a student's voluntary and official withdrawal from the university before the end of the first three weeks, a refund of a part of the fees paid will be made according to the following schedule:

#### First Summer Session.

1. Within the first week, 75 per cent refunded.
2. After first week, from second to third weeks, inclusive, 50 per cent refunded.
3. After third week, no refund.

#### Post Summer Session.

1. Within the first week, 50 per cent refunded.
2. After first week, no refund.

No refunds, however, are made until a period of thirty days has elapsed subsequent to the official withdrawal of the student from the university. No refunds are made to a student who is indebted to the university.

When a student withdraws from a laboratory course by change order, a refund is made immediately according to the above schedule.

### LIVING ACCOMMODATIONS AT OHIO UNIVERSITY

**RESIDENCE HALLS FOR WOMEN.** Lindley and Boyd Halls will be open for the summer of 1937 to women students. Furnishings of the rooms include everything necessary except such personal articles as towels, soap, dresser coverings, cushions, pictures, etc. Double rooms rent for \$2.25 per week per person, single rooms \$3.00. Board is \$4.50 per week. The dining room for the two halls will be in Lindley Hall. Rent is due at the beginning of the summer for the entire session of eight weeks. Assignments in Lindley Hall will be made by Miss Mary Louise Field; for Boyd Hall, by Miss Willanna Riggs. A request for an assignment should be accompanied by a retaining fee of \$5.00. Remittance should be made by money order or check made out

to Ohio University. Early applications are recommended and may be made either through the respective head of residence hall or through the office of the dean of women. In case of late registration, a room may be held provided the rent is paid for the entire eight weeks. No room will be held unless it is secured by the \$5.00 retaining fee. Information about rooms in private homes may be obtained upon personal application to the Secretary of Housing, at the office of the dean of women. The office does not send out addresses by mail.

**ROOMS AND BOARD FOR MEN.** Rooms in private homes which have been inspected are listed in the office of the dean of men, Cutler Hall. Freshmen are required to live in homes that have been approved. Rates for rooms vary as follows: \$1.50 to \$2.50 per week per person for double rooms and \$2.00 to \$4.00 per week for single rooms. Board may be secured at restaurants, a few private boarding houses, and the Men's Grill (University Cafeteria in the Agricultural Building) at reasonable prices.

### THE BUREAU OF APPOINTMENTS

The University maintains a bureau for the recommendation of its students and graduates to teaching positions and a similar placement service for those seeking business and industrial connections. The service is extended to those seeking initial placement and to those who seek advancement to more desirable positions. With the cooperation of the registrant, an effort is made to keep the credentials up-to-date so that a complete record may be available for immediate use at any time.

All students should register with the Bureau early in the senior year; those completing the two-year diploma courses, in the second year. It is not necessary that a student shall have taken all of his work at this University in order to be permitted to register with the Bureau of Appointments, but he must have had at least a semester or full summer session of work at Ohio University to be eligible for the placement services of the Bureau.

## FACILITIES FOR INSTRUCTION AND SPECIAL ADVANTAGES

The entire University plant is in operation to offer educational opportunities to summer session students. Certain units are described below in order the better to make clear uses which may be made of them during the summer.

### THE EDWIN WATTS CHUBB LIBRARY

The Edwin Watts Chubb Library contains 104,498 volumes and receives about 430 periodicals annually. The comparatively new building has reading and seminar rooms with a seating capacity of 600. A seminar room and stack carols are set apart for the use of graduate students. The stacks, consisting of six floors, and periodical and reference rooms will accommodate 250,000 volumes. It is a designated depository of United States documents.

An unusual feature of the library is the juvenile room, which is open to the children of the town, and which cares for the needs of the public schools. It gives student teachers an opportunity to become familiar with a well chosen collection of children's literature and to learn how a model children's room should be equipped and administered.

During the summer session, the library is open daily, except Sunday, from 6:50 A.M. to 9:30 P.M. Books belonging to the reference collections, rare and unusual books, bound periodicals, and documents are not circulated. Books reserved for use in connection with current courses are loaned only over night and not until after 9:00 P.M. All other books may be borrowed for a period of two weeks.

The stacks are open to faculty, graduate students and seniors. All others must call for their books at the circulation desk.

### MUSEUM

The Museum, which contains more than 75,000 specimens, is located on the second floor of the Agricultural and Household Arts Building. The earliest recorded specimen, received in 1823, was a section of basalt from one of the pillars of the Giant's Causeway on the coast of Ireland.

The collection of rocks, minerals, and fossils number more than 30,000. There are sands, clays, and clay-products; Indian implements and utensils; stone and metal products of historic and economic interest; war materials and the fighting implements of various races; and lamps and lighting devices from the earliest ages. The plant collections include an herbarium of about 750 local species of plants, an extensive seed collection, weeds, and various plant products. Among the animal exhibits are found sponges, jellyfishes, corals, various parasitic worms, starfish, and sea urchins; while the mollusca collection ranks among the best shown in American museums. There is also a collection of fishes, amphibians, reptiles, birds, and mammals.

Teachers are invited to make a wide use of the collection in their special fields of interest.

An attendant will be on duty to assist visitors during the afternoons of five days each week except the last week of the summer session.

### THE ASTRONOMICAL OBSERVATORY

The Astronomical Observatory is situated on North Hill about a mile from the University just outside the city limits. The building was erected during the fall months of last year and it is expected to be ready for use with the telescope installed by the opening of the Summer Sessions 1937. The telescope is the gift of Professor A. H. Carpenter of Armour Institute of Technology, an alumnus of the University. It is a reflector-type, with a 20-inch aperture.

The instrument of the Observatory is in general to be reserved for scientific work and for purposes of instruction. On some evenings during the summer the Observatory may be open to visitors.

### THE EDUCATIONAL EXHIBIT

The annual Educational Exhibit, to be held June 28 to July 17, inclusive, is of especial attraction to summer session students and others who are interested in the best educational material and equipment.

This exhibit, which has enjoyed an increasing success each year, is a basic part of the summer session program. It contributes substantially to the effectiveness of the summer session in presenting progressive educational practices to teachers and administrators. At the exhibit there will be a complete display of text books and superior equipment for public schools. It will be held in the Reception Room in the Men's Union Building.

### SUMMER MUSIC ORGANIZATIONS

The directors of the University's three major music organizations: the orchestra, the a cappela choir, and the band are to organize similar student music organizations among the summer session students and faculty. Credit is given for membership in these organizations which serve as laboratory courses for the students interested in conducting and other phases of such ensemble work. The personnel in each of the organizations is limited to those who can meet the necessary qualifications. Those interested should consult the Director of the School of Music.

### SPECIAL SHORT COURSES AND CONFERENCES

The 1937 Summer Session will have as special offerings several short courses which will prove attractive to deans of girls, athletic coaches, and teachers in general. They are offered in response to educational needs which Ohio University is particularly staffed to answer with its own faculty and in connection with visiting educators who will conduct conferences and lecture in convocations.

**DEANS OF WOMEN AND ADVISERS OF GIRLS.** A short course for Deans of Women and Advisers of Girls, will be offered from June 17 to July 1, inclusive, without credit.

This course is designed particularly for those who are engaged in the

work of advising and counselling, as well as those seeking to know more about the field before making a final decision relative to entering it. The course will consist of seminars, lectures, round tables, forums, and social hours. Four hours daily will be spent in class room work. Minor research problems will be carried on in closely related fields of interest, and in so far as time permits, a survey will be made of literature and studies in the field of guidance. The course will be directed by Dean Irma E. Voigt. Lecturers from the fields of philosophy, education, psychology, and sociology will give addresses and lead discussions. Much pleasure and value will be derived from the housing arrangement by which the group will live together as a unit for the period of the course. Board and room for the time will amount to \$14.00. An incidental fee of \$2.75 will insure an adequate mimeographed report of the entire series of lectures and discussions. All inquiries should be addressed to Office of the Dean of Women, Ohio University, Athens, Ohio.

**COACHING IN MAJOR SPORTS.** Coaching of Football, Basketball, Baseball and Track will be given either in the first or last four weeks of the longer summer session. The university's head coaches and their assistants will be available for instruction and training in these sports. Persons interested should refer to the sections on Physical Welfare and Education under course descriptions for credit hours and schedule.

### PROGRESSIVE EDUCATION CONFERENCE

On Wednesday, Thursday, and Friday, June 16, 17, and 18, a conference of public school classroom teachers and administrators, both elementary and secondary, will be held in the Memorial Auditorium and in Ewing Hall Auditorium. The subject of the conference will be "A New Definition of Education." Detailed programs will be sent later to anyone writing to the Office of the Registrar. Present plans provide for morning and afternoon addresses on subjects dealing with progressive education in its philosophy, its relationship to the administration of schools, and its direct and implied effects on classroom procedures.

The first summer University Convocation will be addressed by one of the visiting conference speakers.

The conference is open, without fee, to students registered in the Summer Session and to school officers, both public and private.

### SOUTHEASTERN OHIO LIBRARIANS' CONFERENCE

Beginning July 6 and continuing through the other days of the week, there will be held a conference of librarians and other officers serving in schools in like capacities. The plans call for a somewhat restricted group in order that typical problems may be considered more pointedly. Practical suggestions for the improvement of library services to schools will receive most attention.

The conference is open without fee to qualified summer session students and to all librarians in Southeastern Ohio. Persons interested should write the University librarian, Edwin Watts Chubb Library for information and programs.

## THE PREPARATION FOR TEACHING

Ohio University has wide facilities and offers extensive programs for the preparation of teachers for positions in elementary schools, in high schools, in special rooms, and in training schools..

Students who are looking forward to the teaching profession in public elementary and secondary schools should register in the College of Education for the degree of Bachelor of Science in Education. Under the certification laws of the State of Ohio, however, students enrolled in other colleges may meet the state requirements for teaching certificates while pursuing work for a degree in those colleges.

All persons who expect to teach must meet at least the minimum requirements of the state department of education as indicated in the following outline. Attention is here called to the requirement in student teaching because of the necessary prerequisites and special considerations involved.

### STATE DEPARTMENT OF EDUCATION REQUIREMENTS FOR CERTIFICATION TO TEACH IN OHIO

The following requirements in teacher preparation are minimum standards prescribed by the State Department of Education. They are not as extensive as those of the College of Education. They are stated here for the information of faculty advisers and those students in the other colleges of the University who expect to teach.

#### REQUIREMENTS IN THE FIELD OF EDUCATION

Subjects	H. S.	Elem.	Special Semester Hours
Administration, Organization, Management (6 observations) --	2 or 3	2 or 3	2 or 3
Educational Psychology ----- (Prerequisite: a course in General Psychology)	2 or 3	2 or 3	2 or 3
Methods (8 observations) -----	2	6	2 to 4
Principles of Teaching (6 observations) -----	2 or 3	2 or 3	2 or 3
Student Teaching (number of hours determined by the attainment and proficiency of the student) -----	3 to 5	3 to 5	3 to 5
Art -----		2	
Physical Education -----		2	
Public School Music -----		3	
Electives:			
Educational Sociology -----	2 or 3		
History of Education -----	2 or 3		
Introduction to Teaching -----	2 or 3		
School Law -----	2 or 3		
Tests and Measurements -----	2 or 3		
Any other Educational course -----	2 or 3		
Total professional requirements -----	17 to 19	24 to 26	17 to 19

#### REQUIREMENTS FOR TEACHING MAJORS AND MINORS IN ACADEMIC SUBJECTS

TEACHING FIELDS	TEACHING MAJOR 18 SEM. HRS.	TEACHING MINOR 12 SEM. HRS.	QUALIFIES TO TEACH*
	Required 12 sem. hrs.	Required 6 sem. hrs.	Comp. & Rhetoric
English	Eng. Comp. ----- 6	Eng. Comp. ----- 3	American Lit.
	Eng. & Am. Poetry ----- 3	Eng. or Am. Prose or Poetry ----- 3	English Lit.
3 units h. s.	Eng. & Am. Prose ----- 3	Poetry ----- 3	Classics
	Elective 6 sem. hrs. in literature, public speaking, any other English or in required subjects.	Elective 6 sem. hrs. same as major elective.	Lib. Sci. and speech, if included in major or minor.

TEACHING FIELDS	TEACHING MAJOR 18 SEM. HRS.	TEACHING MINOR 12 SEM. HRS.	QUALIFIES TO TEACH*
History	Required 12 sem. hrs. World History -----3 Am. History -----3 Government or Pol. Science -----3 Modern Trends -----3	Required 6 sem. hrs. World History -----3 Am. History -----3	History Political Science Civics Government Social Civics
2 units h. s.	Elective 6 sem. hrs. in any other branch of secular history or in required subjects.	Elective 6 sem. hrs. same as major elective.	
Foreign Language			
French German Greek Latin Spanish	18 semester hours in one language in usual sequence.	12 semester hours in one language in usual sequence.	Subject in which preparation has been made.
2 units h. s.			
Mathematics	Required 9 sem. hrs. Col. Alg. -----3 Col. Geom. -----3 Trig. -----3	Required 6 sem. hrs. Col. Alg. -----3 Col. Geom. -----3	Arithmetic Com. Arithmetic Algebra Geometry
2 units h. s.	Elective 9 sem. hrs. in any higher math., as- tronomy, com. arith., statistics, or in re- quired subjects.	Elective 6 sem. hrs. same as major elective.	
Science	Required 9 sem. hrs. Zoology -----3 Botany -----3 or Gen. Biology -----6	Required 6 sem. hrs. in zoology, botany, gen- eral biology or any combination of the three.	Biology Zoology Botany Physiology
Biological Science	Psychology, Hygiene or Agri. -----3		Hygiene General Science
1 unit h. s.	Elective 9 sem. hrs. in entomology, bacteriol- ogy, or in required sub- jects.	Elective 6 sem. hrs. same as major elective.	Agriculture, if included in college work.
Earth Science	Required 12 sem. hrs. Geology -----3 to 9 Geography -----3 to 9 Elective 6 sem. hrs. or in required subjects.	Required 6 sem. hrs. Geology -----3 Geography -----3 Elective 6 sem. hrs. same as major elective.	Geography Com. Geography General Science Geology
1 unit h. s.			
Social Science	Required 9 sem. hrs. Economics -----3 Sociology -----3	Required 6 sem. hrs. Economics -----3 Sociology -----3	Economics Sociology Guidance
1 unit of hist. or geog. h. s.	Ethics, philosophy, log- ic; any one or any combination -----3 Elective 9 sem. hrs. in Econ. Geog. Social Civics Indus. History Commercial Geog. Industrial Geog. or in required subjects.	Elective 6 sem. hrs. same as major elective.	Civics, econ. geog., ind. geog., com. geog., if included in college work.

	Required 12 sem. hrs.	Required 6 sem. hrs.	Physics
	Physics -----6	Physics -----3	Chemistry
Physical Science	Chemistry -----6	Chemistry -----3	General Science
1 unit h. s.	Elective 6 sem. hrs. in physics, related subjects, physical science, or any branch of chemistry or in required subjects.	Elective 6 sem. hrs. same as major elective.	

Note: Methods courses in any of these subjects may be counted in computing majors and minors.

\*Students who fulfill the requirements may also teach in the grades if the work is departmentalized.

If the applicant has more than 16 units of high school credit, an excess of credit in any subject may be used toward a minor in that field at the rate of 3 semester hours per unit of such excess. Conversely, 3 semester hours of collegiate credit in any subject may be offered in lieu of each unit of the high school prerequisite in that subject.

### REQUIREMENTS FOR TEACHING MAJORS AND MINORS IN SPECIAL SUBJECTS

The major requirements involve completion of a college major of not less than 40 semester hours in the field (music, 60 semester hours).

The minor requirements are as follows:

Home Economics—Including foods, clothing, home making, and methods-----18 sem. hrs.

Commercial Subjects—Including bookkeeping (9 hours), stenography (6 hours), typing (3 hours), methods of teaching bookkeeping, stenography, and typewriting (2 hours) -----20 sem. hrs.

Physical Education—Including the principles, organization, and administration of health and physical education (4 hours), theory and practice of physical education including activities other than athletics such as games of low organization, stunts, apparatus, tumbling, swimming, elementary school activities, dancing, etc. (4 hours), theory and practice of physical education including athletic coaching in intramural and inter-scholastic athletics in (men) football, soccer, speedball, basketball, baseball, tennis, track, (women) soccer, volleyball, hockey, basketball, baseball, tennis, track (4 hours), health education including the teaching of health and school health problems (4 hours) -----16 sem. hrs.

Manual Arts—Including woodworking, metal working, general shop and methods-----16 sem. hrs.

Fine Arts—Freehand drawing (6 hours), painting (3 hours), design (3 hours), art appreciation (2 hours), methods of teaching art (3 hours) -----17 sem. hrs.

Music—Including sight singing, ear training and elementary theory (4 hours), history and appreciation (4 hours), special methods including observation in music (6 hours), ensemble (glee club, chorus, orchestra, band), and applied music (4 hours) -----18 sem. hrs.

## THE UNIVERSITY ORGANIZATION

### COLLEGES AND DEGREES

While various curricula are offered in different colleges of the University, there is no division into mutually exclusive compartments. University work leading to each of the various degrees is a unified and connected whole. The requirements for a particular degree are set up and administered by an individual college, and students are not only permitted, but are required to take courses that are administered by other colleges. No college may exclude a student of another college from any course for which the necessary prerequisites are met.

When a student's high school preparation has been adequate and he does college work of average grade or better, he should be able to complete the requirements for any of the bachelor's degrees in four years. In most cases such a degree means the completion of a minimum of 124 semester hours (a semester hour is the equivalent of one recitation a week throughout a semester) and the attainment of 124 scholastic points. A student will, in general, meet the program of the University College, satisfy the requirement in physical welfare or military science, and complete the specific requirements of the college in which he is a candidate for degree in four years. The minimum residence requirement is two semesters or the equivalent in summer sessions. The student must be in residence during the session in which the degree is granted.

All students in the University College have a requirement of a year's course in physical welfare, or military science (optional with men), carrying credit of one hour each semester. All students who are candidates for degrees will continue such work a second year with like credit.

All students who wish to teach and are not enrolled in the College of Education must complete, in addition to the requirements of their own college, the requirements for certification set up by the State Department of Education of Ohio or the state in which they expect to teach.

Students who have registered in one undergraduate degree college may later wish to transfer to another. A transfer of college may be made only with the official approval of the Executive Committee of the University and upon payment of a two dollar transfer fee. In such instances the degree requirements of the college to which transfer is made must be fully met before a degree will be conferred.

A student desiring a second degree must fulfill the requirements of the degree, complete at least 30 semester hours, 30 scholastic points, and one semester of residence.

## THE UNIVERSITY COLLEGE

The University College is organized primarily for students regularly matriculating as freshmen in Ohio University. It was established in 1935,

with a view of helping the incoming student make his adjustments to college life rapidly and effectively. The college continues the general education of the student and offers effective instruction and guidance for the choice of the fields in which to specialize during the succeeding years of college life. The trend toward such an organization for freshmen is not new. An important feature at Ohio University is the provision for counselors whereby every student in the University College receives the personal advice and friendly counsel of a member of the faculty. This counseling program is of paramount importance to the successful achievement of the University College.

There are two divisions of the University College, a men's division and a women's division. The men's division functions under the direction of the Dean of Men, assisted by an executive committee; the women's division functions under the direction of the Dean of Women.

The training received in high school and in the University College is regarded as a unit. The objective is to insure that in this five-year period every student shall attain a minimum foundation of substantial general education. The standard now established for the high school period of four years plus the University College year includes a minimum program as follows:

- Five years of English
- Three years of laboratory sciences
- Three years of social sciences
- Two years of mathematics
- Two years of foreign languages

One year of college foreign language and one year of college laboratory science are regarded for this purpose as the equivalent of two units of high school work. However students who enter with only one unit in these subjects will be required to complete one year of college work. Students who enter with no mathematics will be required to take one year of mathematics; students who enter with one year of algebra will be required to take one semester of plane geometry.

Students who enter the university with less than four units of English may satisfy the five-year requirement by passing the regular course in freshman English.

Registration in the University College takes place on the day preceding upperclass registration and is conducted by a special group of faculty members known as deputy registrars. Students enrolling in the two-year courses will be registered by special deputy registrars. Students continue as members of the University College until all requirements are fulfilled. Should unfulfilled requirements make it necessary to remain in the University College after the first year, the student may pursue studies in the field of his choice without restriction except for the courses which meet the unfulfilled requirements. Students on scholastic probation remain in the University College until probation is removed. It is necessary for the student to complete one full year of University College work with at least half as many scholastic points as semester hours carried before he is admitted to an undergraduate degree college.

The normal and desirable freshman program includes courses in English,

social sciences, laboratory sciences, foreign languages, and mathematics. When a student has completed the number of years required in all fields except English, the program of studies for his freshman year shall include courses selected from at least three of the five fields. Freshmen will register for not more than one three-hour vocational or technical subject in a field of instruction since the freshman year should be devoted to general training rather than to vocational pursuits. The foundation of general education laid during this year should enable the student to make a deliberate and wise choice as to his place naturally as a mature member of the university community. Normally the student will be able to complete his work for a degree in any one of the undergraduate degree colleges in three additional years.

**TWO-YEAR DIPLOMA IN EDUCATION.** Freshmen who desire to enroll in the two-year diploma courses in education are registered in the University College under curricula determined by the College of Education.

**ELECTIVE STUDY.** There is also offered in the University College an opportunity for elective study for special students who expect to remain in college only one or two years, and who do not expect to complete curricula leading to degrees. This arrangement provides for such students an opportunity to choose subjects of study suited to their individual desires and needs. All course requirements are removed in the two years of elective study except those in English composition and physical welfare. Women students will also take a one-hour course in College Problems. Men students may substitute military training for physical welfare.

Admission to the two years of elective study is based upon the requirements which govern admission to the University College, including the regular college ability test. Students under twenty-one years of age must also obtain permission for admission to elective study from parent or guardian and present a written statement of approval with their application requesting that they be admitted to elective study.

Men and women who are twenty-one or more years of age and who have not completed fifteen units of high school work will be admitted to elective study upon the recommendation of the respective dean of the University College in consultation with the instructor in the subject in which such work is desired. Such persons will be enrolled in regular classes, and will receive the same instruction and be subject to the same standards as other students. Applicants for admission under this provision must present satisfactory evidence that they are at least twenty-one years of age. Students admitted to elective study may choose any subjects they wish, provided they have satisfied the stated prerequisites.

At the beginning of any semester a student enrolled for elective study who has completed fifteen units of high school work may transfer to a course leading to a degree. When this is done, the student must choose subjects which meet the admission and course requirements of the degree sought, including those of the University College. Students who have completed 64 semester hours of credit in elective study and who desire to continue their work at Ohio University are required to enroll as candidates for degrees and to conform to the course requirements for such degrees.

## THE COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences aims primarily to offer opportunities for what is commonly called a liberal education in contrast with professional or vocational training provided by the other colleges. It also affords opportunities for pursuit of most of the less strictly technical subjects which occupy the attention of students enrolled elsewhere in the University. It is in this way a service college for the whole of the University. Students from the other colleges are admitted to its courses on the same basis as are students registered in the College of Arts and Sciences.

As an undergraduate degree college with conscious emphasis on breadth of training, which is its primary aspect, the College of Arts and Sciences offers two degrees, the Bachelor of Arts and the Bachelor of Science. Both degrees are characterized by a considerable spread of interests. They not only permit specialization, but indeed require sufficient concentration in major and minor fields to insure some degree of mastery in a particular field.

In general, the distinction between the curricula for the two degrees in the College of Arts and Sciences lies in the fact that for the Bachelor of Arts degree greater emphasis is placed upon the old and new humanities, such as English, foreign languages and literatures, and the social sciences, whereas for the Bachelor of Science degree the chief emphasis is placed upon the natural sciences and their related fields.

Candidates for these degrees will complete a minimum of 124 semester hours and 124 scholastic points. The total hours include the requirements of the University College, 4 semester hours of physical welfare or military science, and three years of work comprising approximately 94 semester hours under the direction of the College of Arts and Sciences.

## THE COLLEGE OF EDUCATION

The College of Education is devoted to the education of men and women who intend to enter the fields of teaching and educational administration. Its aim is a fully rounded preparation for the profession of teaching, and its curricula are intended to prepare students for teaching in elementary schools, high schools, and colleges, and for the positions of school administrators, supervisors, and supervising critics. Its program of academic and professional study including laboratory practice is built about a fundamental belief in standards of the highest type designed to prepare teachers who will have adequate knowledge of their special fields, who will understand professional theory and how to apply it, and who will have attained a degree of skill which will enable them to go into the profession under circumstances favorable to immediate success, even as beginning teachers.

The degree of Bachelor of Science in Education is granted upon completion of curricula covering a course of four years with specialization in elementary education, in any of the academic fields for teaching in high schools, or in the special subjects of art, industrial arts, home economics, physical welfare, commerce, or music. Candidates for the degree will complete a minimum of 124 semester hours and 124 scholastic points.

Candidates for the degree of Bachelor of Science in Education must complete certain general requirements and other specialization requirements

part of the State of Ohio

called majors. Subjects completed in University college (freshman year) may in part satisfy general requirements and the requirements in the major. In addition to the major, the student is required to complete at least one minor with a minimum of 15 semester hours. All specified requirements of the State Department of Education of Ohio must be met in the majors and minors.

In addition to courses leading to the degree, two-year diploma courses are offered for those who desire to become kindergarten-primary, intermediate grade, or county school teachers. The two-year course requirements include the completion of specified courses, 64 hours, and 64 scholastic points for the diploma.

### THE COLLEGE OF COMMERCE

The College of Commerce offers a professional courses in commerce or business which leads to the degree of Bachelor of Science in Commerce. The departments and fields which may be emphasized include accounting, advertising, banking, finance, management, business law, and economics. The college comprises also the Department of Secretarial Studies and the School of Journalism, in which proper specialization leads to the degree of Bachelor of Science in Secretarial Studies or Bachelor of Science in Journalism.

The College of Commerce also aims to serve students in other colleges of the University; they are admitted to its courses on the same basis as are students registered in this college.

All candidates for degrees in this college will complete a minimum of 124 semester hours and 124 scholastic points. These include the program of the University College, the 4 semester hours requirements in physical welfare or military science, and three years of work under the direction of the College of Commerce, comprising approximately 94 semester hours.

### THE COLLEGE OF APPLIED SCIENCE

The College of Applied Science comprises the Departments of Civil Engineering, Electrical Engineering, Industrial Arts, and Agriculture, and the School of Home Economics. Specialized degrees offered are the Bachelor of Science in Home Economics, Bachelor of Science in Civil Engineering, and Bachelor of Science in Electrical Engineering. The Departments of Agriculture and Industrial Arts offer courses which may be elected or chosen as majors or minors by students seeking degrees in other colleges. Courses offered in the College of Applied Science are open to students in the other colleges.

Candidates for the degrees in the College of Applied Sciences will complete the program of the University College, the requirements of physical welfare, or military science, and three years of work under the direction of this college. The total number of semester hours and scholastic points required varies from 124 to 140, depending upon the previous preparation of the student and the curriculum pursued.

## THE COLLEGE OF FINE ARTS

The College of Fine Arts comprises the School of Music, the School of Painting and Allied Arts, and the School of Dramatic Art. The degrees offered are the Bachelor of Fine Arts in Music, in Painting and Allied Arts, and in Dramatic Art. The curricula of the three schools in this college are designed to provide for a broad cultural education in the fine arts and for specialized interests within the different schools.

Students enrolled in other colleges may elect courses in this college or may complete the requirements for a major or minor in music, painting or allied arts, or in dramatic art.

Candidates for the degree in the College of Fine Arts will complete a minimum of 124 semester hours and 124 scholastic points. These include the program of the University College, 4 semester hours physical welfare or military training, and three years of work in the College of Fine Arts, comprising approximately 94 semester hours.

## PHYSICAL WELFARE

The Department of Physical Welfare is organized into two coordinate divisions, one for men and one for women. The whole program in physical welfare has been developed with the view of providing health protection and physical activity for the entire student body. The department maintains two gymnasiums and offers facilities, equipment, and guidance for physical expression in sports and hobby classes, rhythemics, swimming, and intramural and intercollegiate athletics. All students registering in the University are given health and physical examinations.

The required two-year program, four semester hours, of physical activities for men who do not elect military science and tactics includes attendance in a class in health problems one period a week during the freshman year and participation in at least four sports. The required two-year program, four semester hours, for women is on an elective basis; the activities offered are grouped under sports, rhythemics, and swimming. Students reporting for the required courses wear the uniform prescribed by the division. Men and women students who for any reason are unable to participate in the regular activity classes are given individual instruction in special classes.

The department offers a recreational hobby program designed to meet the interests and needs of students, whether they are proficient or inexperienced in sports. Instruction is given regularly to volunteer groups and classes in the activities desired.

Students wishing to major in the Department of Physical Welfare may apply for the degree of Bachelor of Science, the degree of Bachelor of Arts, or the degree of Bachelor of Science in Education by fulfilling the requirements of the college offering the degree.

**UNIVERSITY HEALTH SERVICE.** A university health service will be inaugurated in the fall of 1937, with a full-time medical officer and two full-time registered nurses.

A health fee of \$2 per semester will provide for each student a complete health examination each year with proper card records and check-up exam-

inations as required. The infirmary will provide clinical service for minor ailments of students presenting themselves at the hours specified.

The university medical officer will make diagnostic visits to students, especially in cases suspected of an infectious or contagious character. Medical care will be secured by the students through physicians of their own choice at their own expense. The university medical officer will not be available for such service.

Students desiring limited hospitalization at the university infirmary may, if bed service is available, secure such service by the payment of an additional fee. Because of the limited bed facilities at the infirmary, the university cannot guarantee hospitalization for students. A well equipped local hospital is available to students at their own expense.

### THE GRADUATE COLLEGE

Ohio University has facilities for advanced study and research on the graduate level for teachers and people in other vocations. This service is provided through the Graduate College. The college offers graduate work in academic and professional fields and confers the degree of Master of Arts, Master of Education, Master of Fine Arts, and Master of Science.

**ADMISSION.** The privileges of the Graduate College are open to students who hold a bachelor's degree from an accredited college or university. Application for admission should be made on a blank obtainable from the Office of the Registrar and must be accompanied by an official transcript of the applicant's college record, except in the case of graduates of Ohio University. These documents should be filed with the registrar at least a month before the opening of the term in which the applicant plans to begin his studies. The student who qualifies for admission will receive a permit to register and a copy of his undergraduate record. He will then confer with the dean of the Graduate College who will counsel with him regarding his plans for graduate study and arrange for the appointment of faculty advisers in the major and minor fields. The student's outline of graduate study will be made by the advisers, in conference with the student. A student may be registered in the Graduate College without becoming a candidate for a graduate degree. Therefore admission to the Graduate College does not of itself constitute admission to candidacy for a degree.

Students who are qualified to enter the Graduate College and who pursue courses without regard to a major or a minor and with no thought of qualifying for a master's degree will be classified as special students.

**CREDIT AND RESIDENCE.** At least thirty-two semester hours of credit are required for the master's degree. Transfer students are required to complete at least twenty-four semester hours of credit at Ohio University. Courses taken by correspondence will not be accepted for credit toward the master's degree. However, a maximum of six semester hours taken in group extension will be accepted toward the master's degree, provided that these courses are conducted by instructors who regularly teach them when offered on the campus. Only work of high quality is accepted for graduate credit. The minimum standard acceptable is an average grade of B, with no grade below C, and not more than twenty per cent of the work with a grade of C.

After securing a bachelor's degree, an adequately prepared student should be able to complete the work for the master's degree in one year of two semesters, in four eight-week summer sessions, or in three eleven-week sessions. Transfer students are required to have a minimum residence at Ohio University of one semester and one eight-week summer session, or at least twenty-four weeks, provided that the other requirements for the degrees are satisfied. The maximum time allowed between the date of admission to candidacy and the date when graduate credit for the degree will be accepted is five years. Credit will not be allowed for a graduate course unless all the work of the course, including the final examination, shall have been completed and the final grade reported to the office of the registrar within one year after the official ending of the course.

**COURSES FOR GRADUATE CREDIT.** Credit toward a graduate degree will be given for the completion of courses designed for graduate students (numbered 301-399) and courses designed for advanced undergraduates and graduates (numbered 201-299), provided that the courses have the approval of the advisers and the dean, as a part of the student's outline of study. Since graduate work implies specialization, a minimum of eighteen semester hours of undergraduate credit is presupposed before a student can pursue his major subject for graduate credit. From six to twelve semester hours in undergraduate preparation is usually sufficient to begin graduate work with a minor in a subject.

**FEES.** The fees for graduate students are the same as those for undergraduates. See preceding section for a full statement of fees.

**PROGRAM OF STUDY.** The student's program of study will be divided in most cases between subjects in the major field and subjects in the minor field. The program in the major field will vary from twelve to twenty credit hours, exclusive of the thesis; from four to eight hours credit are allowed on the thesis. The minor field in such cases will make up the remainder of the thirty-two hours required for the degree, and will be selected from one or two departments closely related to the major field. However, all of the work for the master's degree may be done in one school or department on recommendation of the adviser and with the approval of the Graduate Council.

**ADMISSION TO CANDIDACY.** In order to be admitted to candidacy, for the master's degree, it is necessary that a student show his ability and fitness to pursue graduate work in his chosen field. This may be done by completing a part of the program of graduate study as outlined with satisfactory grades. The further conditions of admission to candidacy are that the outline of graduate study and a thesis subject, acceptable to the major adviser, shall have been submitted to the dean and approved by the Graduate Council. Application for candidacy should be made on a form obtainable at the office of the dean, and on a date not less than four months before the degree is to be conferred.

**EXAMINATION AND THESIS.** As partial fulfillment of the requirements for the master's degree, each candidate shall pass creditably two examinations, one written and one oral, and shall submit a satisfactory thesis upon a subject approved by the adviser and the Graduate Council. The written ex-

amination is of approximately four hours duration, the time being divided between the subjects of the major and the minor fields. The oral examination, approximately two hours in length, is conducted by a committee appointed by the dean from the staff of the schools or departments in which the candidate has done his work.

The candidate prepares his thesis under the direction of his major adviser on a subject in the field of his major work. The thesis provides an opportunity for the student to formulate and express results of his research and study. For students who desire to avail themselves of the instruction, a course on thesis writing is offered by the Department of English. The thesis may vary in character from an extended essay, representing critical reading, independent study and the assimilation and interpretation of a considerable body of facts, to an account, sometimes more brief, describing a research project which makes some contribution to knowledge. From four to eight hours credit is allowed on this part of the student's program.

The candidate shall submit to the chairman of his examining committee, not later than one week before the date of his oral examination, three type-written copies of his thesis in final form. If the thesis be approved by the candidate's major adviser and be signed by him, and also be accepted by the examining committee, the candidate shall deposit the original copy and the first carbon copy with the University Librarian, and a third copy with the school or department in which the work was done, not later than three days before commencement. These copies of the thesis shall be typed and bound in accordance with a format on file in the office of the dean.

**GRADUATE FELLOWSHIPS AND SCHOLARSHIPS.** Ohio University offers twelve to fifteen graduate teaching fellowships to students properly qualified who have received baccalaureate degrees from approved institutions. A fellowship carries an annual stipend of \$300, with exemption from registration fees. (There is no tuition fee). A teaching fellow is required to give from one-third to one-half of his time to teaching or laboratory supervision, or both, in the department of his major work, and is expected to carry one-half to two-thirds the normal load of graduate work.

A limited number of graduate scholarships may also be offered to students who have received baccalaureate degrees from approved institutions. A scholarship carries an annual stipend of \$100, with exemption from registration fees. Graduate scholars are expected to devote all of their time to graduate work.

Graduate fellowships and scholarships are normally available to students in the following fields: botany, chemistry, classical languages, dramatic art and speech, economics, commerce, education, English, government, history, industrial arts, home economics, journalism, mathematics, modern languages, music, painting and allied arts, physics, psychology, sociology, and zoology.

**SPECIAL APPOINTMENTS FOR WOMEN.** Two to five positions are open annually for graduate student deans. The appointees receive a stipend of \$300 each, with exemption from registration fees, and are expected to give one-half of their time assisting the Dean of Women and to carry one-half of the normal load of graduate work. Under this plan two academic years are required to complete the work for the master's degree. Applicants

should have completed not fewer than eighteen semester hours in the social sciences. Application for one of these appointments may be made directly to the Dean of Women.

Two or three appointments as Assistant to the Director of Dining Halls are open annually to college graduates who have majored in home economics. These positions are intended primarily for persons interested in institutional management, but such assistants may major in any field. The stipend consists of board, room, and approximately \$385, with exemption from registration fees. The student is expected to give about six hours of service daily and to carry one-half of the normal load of graduate work. Application for one of these positions may be addressed to the Director of the School of Home Economics.

### MILITARY SCIENCE AND TACTICS

Although no work is offered in the division of Military Science and Tactics during the summer sessions, the following explanation of military training at the University is included in the bulletin for the benefit of any beginning students and for the general information of all students at the university.

The Reserve Officers' Training Corps was established in the United States under the National Defense Act of June 4, 1920. The Board of Trustees at Ohio University in 1935 entered into an agreement with the Federal Government for the establishment of a voluntary ROTC unit. Under this agreement the University maintains an elective course in military training for men students who are physically qualified. A student has the choice between two years of military training and the required first and second year courses in the Department of Physical Welfare. Those who complete the first two years of military training and two additional years of five hours each semester are eligible for commission in the Officers' Reserve Corps of the United States Army. The first two years carry one hour of credit each semester and the last two years, three hours of credit each semester.

All necessary training equipment and the principal articles of the uniform are issued to basic course students by the federal government without cost. Articles so issued remain the property of the government and must be returned.

A personal equipment fee deposit of \$6.00, of which \$3.00 are payable at the beginning of each semester is required of freshmen to cover the cost of essential articles of uniform not issued free. Articles so purchased become the property of the student and enable him to make a substantial saving in the cost of ordinary clothing.

Upon entering the advanced course the student receives a money allowance for uniforms which last year amounted to \$29.00 for the first year. Upon entering the second year he receives a uniform maintenance allowance which last year was \$7.00. In addition "commutation of rations" is paid the advanced student quarterly. Last year this amounted to \$.25 a day.

The total enrollment in military science and tactics is limited to four hundred students.

## EXTENSION DIVISION

Extension work is in the form of group teaching and correspondence study. In the former, any community in which a group of persons agrees upon a course which it desires to study will be supplied with an instructor from the University faculty, who will meet the class once a week. The size of the group necessary to secure an instructor will depend upon the distance of the community from the campus. The aim of the Division is to give work equivalent to that done in the regular college classes. Persons who are employed are limited to 6 hours a semester.

The purpose of correspondence study is to extend the privilege of University training even more widely. The courses offered cover a wide variety of subjects in twenty-four departments, and are taught by members of the regular faculty. They should appeal to teachers, business men and women, ministers, social workers, and others who wish to engage in systematic study during their spare time. Qualified students are accepted any time. Persons over twenty-one years of age are admitted upon condition that they show ability to carry the work.

In group extension and correspondence study, a student may earn as much as 40 semester hours to apply toward the requirements for a degree, or 18 semester hours in like manner toward a two-year diploma.

In 1931, Ohio University was admitted to membership in the National University Extension Association. This association is made up of about fifty of the recognized colleges and universities throughout the country that maintain departments of university extension. The various universities and colleges are admitted after thorough inspection of the extension work. Students of Ohio University are thus assured that all work satisfactorily done in extension classes or correspondence study will be properly accredited in these schools.

Persons interested in any of the work of the Extension Division should write to the director for a special bulletin or other information.

## COURSES OF INSTRUCTION

In this statement the courses of instruction are arranged in numerical order by fields of instruction.

The course number indicates the student classification for which the course is designed.

- 1- 99—University College
- 100-199—undergraduate
- 200-299—advanced undergraduate and graduate
- 300-399—graduate

It is understood that a lecture course with a credit of three semester hours will have six lectures or recitations each week throughout the eight weeks' session. When a course meets both for lecture and laboratory periods, the number of each is indicated.

When a course requires a fee, the amount is stated. The amount of the fee is determined by the credit; one dollar is assessed for each semester hour.

A prerequisite is usually indicated by the number of the course or the number of semester hours required. When the course number or the number of semester hours refers to another field of instruction, the field is named.

Credit for a course is indicated by the number in parenthesis. One semester hour, (1), is the equivalent of two recitations or four or more laboratory periods a week throughout the first session.

All methods courses, both elementary school and secondary school, are listed in EDUCATION under Teaching Techniques.

The University reserves the right to withdraw any course announced in this bulletin for which the demand does not seem to justify its maintenance. The selection of the courses has been made on the basis of experience during previous summer sessions. Consequently it is expected that few if any courses will need to be cancelled.

## AGRICULTURE

1. GENERAL AGRICULTURE. Planned to meet the needs of those preparing to teach agriculture and for those interested in the practical applications of the problems of general agriculture. Fee, \$3.

(3) WIGGIN. Daily 7

103. FRUIT GROWING. A study of the selection of an orchard location, propagation, planting, fruit-setting, nutrition, thinning, disease and insect control, harvesting, grading, judging, storing, and marketing of apples. Fee, \$3.

(3) WIGGIN. Daily 8

135. FARM MANAGEMENT. Application of problems of rent, wages, labor, land values, marketing, and various phases of farm efficiency.

(3) COPELAND. Daily 8

142. EVOLUTION AND HEREDITY. A consideration of the prominent theories relating to environment, evolution, and inheritance.

(3) COPELAND. Daily 9

226. FOREST SURVEY. Special problems selected from: forest management, ecology, regeneration, erosion, and permanent agriculture. Prereq., 3, 4, and 6 hrs. botany.

(3) COPELAND. Daily, Arranged

## BOTANY

1. FRESHMAN BOTANY. A general survey of the field of botany. Fee, \$3. (3) VERMILLION. TWFS 9; MTh 8, 9

5. GENERAL BIOLOGY. A general study of the plant and animal world. Includes laboratory, field, and lecture practices. Fee, \$3. (3) VERMILLION. MTThF 7; WS 7, 8

6. GENERAL BIOLOGY. A continuation of course 5. Fee, \$3. (3) MWFS 11; TTh 10, 11

101. GENERAL BOTANY. A course in systematic botany for advanced students beginning the subject. Not open to those who have credit in 1 and 2. Fee, \$3. (3) TWFS 9; MTh 8, 9

107. WILD FLOWER IDENTIFICATION. A study of the local flora. Fee, \$3. (3) MATHENY. MTThF 8; WS 7, 8

127. BACTERIOLOGY. An introductory course. Fee, \$3. (3) MATHENY. MTThF 10; WS 10, 11

168b. TEACHING OF BOTANY. See EDUCATION—Teaching Techniques.

203. PLANT ECOLOGY. A study of plants in relation to their environment. Fee, \$3. Prereq., 1 and 2 or 101 and 102. (3) MTThF 7; WS 7, 8

205. PLANT PHYSIOLOGY. The physiology of absorption, rise of sap, transpiration, and food syntheses. Fee, \$3. Prereq., 1 and 2, 101 and 102, or 203 and 204. (3) VERMILLION. MWFS 11; TTh 10, 11

## CHEMISTRY

Designed especially for students preparing for the study of medicine. Completion of these courses will satisfy the medical college entrance requirements in these subjects.

1. GENERAL CHEMISTRY. An introductory course. Lectures and recitations. (3) GULLUM. Daily 8

1. GENERAL CHEMISTRY LABORATORY. A laboratory course to accompany General Chemistry. Fee, \$4. (1) GULLUM. Daily 9

2. GENERAL CHEMISTRY. A continuation of course 1. (3) CLIPPINGER. Daily 8

2. GENERAL CHEMISTRY LABORATORY. A laboratory course to accompany General Chemistry 2. Fee, \$4. (1) CLIPPINGER. Arranged

105. QUALITATIVE ANALYSIS. The separation and identification of the metals. 2 lec. and 12 lab. Fee, \$3. Prereq., 2. (3) GULLUM. TTh 7

106. QUALITATIVE ANALYSIS. A continuation of course 105. Complete qualitative analysis of simple substances and mixtures. 2 lec. and 12 lab. Fee, \$3. (3) GULLUM. Arranged

109. QUANTITATIVE ANALYSIS. A course in volumetric analysis. 4 lec. and 15 lab. Fee, \$4. Prereq., 105. (4) CLIPPINGER. MTThF 10

115. ORGANIC CHEMISTRY. Work in both aliphatic and aromatic series. Prereq., 2. (3) DUNLAP. Daily 8

119. ORGANIC PREPARATIONS. A laboratory course in organic chemistry. 10 lab. Fee, \$5. Prereq., 115 or with 115. (2) DUNLAP. Arranged

120. ORGANIC PREPARATIONS. A continuation of course 119. Fee, \$5. (2) DUNLAP. Arranged

168s. TEACHING OF CHEMISTRY AND LABORATORY PRACTICE. See EDUCATION—Teaching Techniques.

## 213. PHYSICAL CHEMISTRY. Prereq., 116 and mathematics 6.

(3) DUNLAP. Daily 11

225. ELECTROCHEMISTRY. A study of the fundamentals of electrolysis, the phenomena of electrolytic dissociation, conductance, transference, electrokinetics, electromotive force of concentration and oxidation-reduction cells, polarization, and depolarization. Practical applications of electrolytic reduction and oxidation. Prereq., 214. (2) CLIPPINGER. MTThF 9

251. SPECIAL PROBLEMS IN CHEMISTRY. A consideration of special problems and methods as applied to the chemical industries. Fee, \$1 for each credit hour. Prereq., 24 hrs. or permission.

(2-4) GULLUM. Arranged

## 395. THESIS.

(2-4) The staff

## CIVIL ENGINEERING

1. MECHANICAL DRAWING. Freehand lettering, use of instruments, geometric constructions, orthographic projection, revolution, auxiliary and sectional views, dimensioning. 12 lab. arranged in periods of 2 to 5 hours.

(2) GAYLORD. Daily 7-12

2. MECHANICAL DRAWING. Isometric, oblique, detail and assembly drawings. Intersections, developments, structural, electrical and architectural drafting, tracings and blue prints. 12 lab. arranged in periods of 2 to 5 hours. Prereq., 1. (2) GAYLORD. Daily 7-12

74. ENGINEERING INSTRUMENTS. Verniers, planimeters, and slide rule. Prereq., Mathematics 5. (1) GAYLORD. Daily 7-12

107. PERSPECTIVE DRAWING. Representation of an object as it would appear on a plane when viewed from a point; drawing of shadows on objects and planes, both in parallel and oblique perspective. 6 lab. arranged in periods of 2 to 4 hours. Prereq., 2. (1) GAYLORD. Daily 7-12

## CLASSICAL LANGUAGES

## GREEK

127. GREEK WORDS IN ENGLISH. English literary and scientific terms of Greek origin. Special "laboratory assignments" will develop the student's vocabulary in his particular field. No previous knowledge of Greek required. Prereq., 6 hrs. foreign language or English. (2) BROKAW. MTThF 11

## LATIN

123. NEPOS AND LIVY. Selected *Lives* of Nepos, and selected readings from Livy ranging in time from the founding of the Republic to the end of the Punic Wars. Prereq., 4 or 4 yrs. high school Latin.

(3) BROKAW. Daily 8

224. PETRONIUS. The *Dinner of Trimalchio* will be studied. Prereq., 103. (2) BROKAW. MTThF 9

227. ROMAN HISTORY OF THE CLASSICAL PERIOD. A brief survey of outstanding events during the period in which the most important works of Latin literature were produced. Prereq., 6 hrs. or 9 hrs. history and antiquities. (1) YOUNG. WS 7

228. ROMAN RELIGION AND MYTHOLOGY. Emphasis upon the relationship between mythology and religion and upon the various divinities and mythological characters. Prereq., 8 hrs. classical languages or history and antiquities, or 12 hrs. English. (2) YOUNG. MTThF 10

233. ADVANCED LATIN SYNTAX. A study of the principles of Latin syntax with some emphasis upon their application in translation. Prereq., 103. (1) BROKAW. WS 9

235. LATIN POETRY OF THE EMPIRE. Generous selections from the best of the post-Augustan poets. Prereq., 103. (3) YOUNG. Daily 8

240. SPECIAL WORK IN LATIN. Individual work. Prereq., 103. (1-3) The staff. Arranged

## COMMERCE

### ACCOUNTING

75-76. ELEMENTARY ACCOUNTING. The fundamental principles of accounting theory and practice. Accounting 75 (3) is offered the first four weeks and Accounting 76 (3), the second four weeks.

(6) OTIS. Daily 7-9

125. INTERMEDIATE ACCOUNTING. The preparation and analysis of balance sheet and income statements, principles of actuarial science, accounting for corporate net worth, and asset valuation. Offered the first four weeks. Prereq., 6 hrs. or 76. (3) BECKERT. Daily 7-9

175. COST ACCOUNTING. Manufacturing cost determination under the job-order and process systems. Offered the second four weeks. Prereq., 9 hrs or 125. (3) BECKERT. Daily 7-9

### BUSINESS LAW

155-156. BUSINESS LAW. The principles of law involved in contracts, agency, sales, bailments, negotiable instruments, partnerships, and corporations. Course 155 (3) is offered the first four weeks and course 156 (3), the second four weeks. Prereq., junior standing.

(6) DYKSTRA. Daily 7-9

175s. GOVERNMENT AND BUSINESS. Statutes, and court decisions interpreting them, by which federal, state, and local governments control, regulate, and aid business. Prereq., junior standing.

(3) DYKSTRA. Daily 11

### BUSINESS MANAGEMENT

15. INTRODUCTION TO BUSINESS MANAGEMENT. A comprehensive picture of business life covering the organization and functioning of business enterprises.

(3) BECKERT. Daily 10

### ECONOMICS

101-102. PRINCIPLES OF ECONOMICS. The following economic material will be presented: production, consumption, distribution, exchange, money and banking, business cycles, credit, international economic relations, government and taxation, and economic control. Course 101 (3) is offered the first four weeks and course 102 (3), the second four weeks.

(6) HELLEBRANDT. Daily 7-9

227. CURRENT ECONOMIC PROBLEMS. Prereq., 102. (3) HELLEBRANDT. Daily 9

### FINANCE

101. MONEY AND CREDIT. The elementary concepts of money, credit and exchange, and a historical survey of monetary systems with special emphasis on price stabilization, monetary reform, and credit problems.

(3) HANSON. Daily 10

121. BUSINESS FINANCE. The elements of business finance, the corporation, corporate securities, and financial plans.

(3) ARMBRUSTER. Daily 9

142s. CONSUMER FINANCING. A survey of the institutions other than commercial banks which are designed to furnish this type of financing. Prereq., 101. (3) HANSON. Daily 11

### MARKETING

15. ECONOMIC GEOGRAPHY. The course deals by countries with the production, distribution, and consumption of the world's products. (3) PAYNTER. Daily 8

155. MARKETING PRINCIPLES. The principles, methods, and policies of marketing consumers' goods and industrial goods. (3) PAYNTER. Daily 9

### SECRETARIAL STUDIES

15s. TYPEWRITING. A beginning course in typewriting. Students are expected to attain a speed of thirty-five words a minute. 9 periods, 3 arranged. (3) SPONSELLER. Daily 8

16. TYPEWRITING. Students are expected to attain a speed of forty-five words a minute. 7 periods, 1 arranged. Prereq., 15. (2) TENNEY. Daily 9

31-32. SHORTHAND. A beginning course in Gregg Shorthand. In order to obtain credit for course 32, the standard Gregg Writer Complete Theory Test and a five-minute, sixty-word-a-minute transcription test must be passed. Course 31 (3) is offered the first four weeks and course 32 (3), the second four weeks. Prereq., 15 or with 15. (6) COSGROVE. Daily 10-12

120s. BUSINESS LETTER WRITING. The principles of writing business letters and reports. Prereq., English 4. (2) SPONSELLER. MTWThF 9

151s. DICTATION AND TRANSCRIPTION. This course is designed to develop ability in taking dictation and transcribing it. The 100-word transcription test is the standard for credit. Prereq., 16 and 32. (4) TENNEY. MTWThF 10-12

161s. TEACHING OF SHORTHAND. See EDUCATION—Teaching Techniques.

171. SECRETARIAL THEORY. Designed to give training in the operation of office machines and in the duties of a private secretary. 7 periods and 1 arranged. Fee, \$2. Prereq., 16 and 32. (2) SPONSELLER. Daily 10

172. SECRETARIAL THEORY. Designed to give the student training in filing and in the use of the commercial dictaphone. Prereq., 171. (1) SPONSELLER. MTWThF 11

176. SECRETARIAL PRACTICE. Students spend six hours a week working in offices on the campus, and six hours in the secretarial practice laboratory. Conferences. Prereq., 151, 171, 172 or with 172. (4) SAUM and the staff. Arranged

281. RESEARCH IN BUSINESS TEACHING PROBLEMS. Prereq., 20 hrs. commerce and permission. (2) TENNEY and the staff. Arranged

### DRAMATIC ART

#### DRAMATIC PRODUCTION

103. INTRODUCTION TO THE THEATRE. The relation of the theatre to the community. The organization and business management of the amateur dramatic group. The play and the bases for its selection. Editing script, casting, rehearsal methods, directing techniques, and the performance. 5 lec. and 2 lab. (3) DAWES. MTWThF 11, W 1, 2

162h. TEACHING OF HIGH SCHOOL DRAMATICS. See EDUCATION—Teaching Techniques.

221. DRAMATIC COMPOSITION. Theory of playwriting. Practical experience in the writing and re-writing of plays. Scripts of sufficient merit are produced under the writer's supervision by the Fortnightly Playshop. Emphasis is placed on the student's apperceptive background. Prereq., 6 hrs. and 12 hrs. English. (3) DAWES. Arranged

### DEBATE AND ORATORY

1. PUBLIC SPEAKING. Study and practice to enable the student to build a speech that is both interesting and persuasive. The use of the voice and body in the delivery of the speech. (2) STAATS. MTThF 9

25. PRINCIPLES OF ARGUMENTATION. Analysis of the debate proposition, preparation of the brief, study of evidence, and class debates.

(2) STAATS. MTThF 10

203. AMERICAN SPEAKERS. Study of the outstanding speakers of America. The speeches, the circumstances under which they were delivered, and their influence measured by conditions of the times. Prereq., 102.

(3) STAATS. Arranged

### CORRECTION AND INTERPRETATION

134. ORAL INTERPRETATION OF PROSE AND POETRY. A course to acquaint the student with effective technique in reading aloud. A consideration of the several schools of interpretation, including choral speaking.

(2) STAATS. MTThF 11

162s. TEACHING OF SPEECH IN THE GRADES. See EDUCATION—Teaching Techniques.

## EDUCATION

### KINDERGARTEN-PRIMARY

1. PLAY AND PLAY MATERIALS. Play and its importance in child development, equipment and play materials, development of organized games. (2) WILSON. MTThF 7

2. LITERATURE FOR EARLY CHILDHOOD. Children's literature, source material, standards of selection, planning story groups for special occasions, dramatization, and experience in story telling.

(3) MACLEOD. Daily 10

101. ACTIVITIES FOR EARLY CHILDHOOD. Sources of activities and criteria for judging, planning, and an analysis of them to determine the outcomes. A comparison of present day use of activities with formal use of subject-matter. 4 lec. and 4 lab. Fee, \$3. (3)

201. KINDERGARTEN-PRIMARY CURRICULUM. Prereq., 3 hrs. and Psychology 5. (3) MACLEOD. Daily 7

203. SUPERVISION IN KINDERGARTEN-PRIMARY EDUCATION. Supervisory activities, the supervisor and teachers in service, observation of teaching, and principles underlying the improvement of teaching. Prereq., 6 hrs. and a major in elementary education. (3) MACLEOD. Daily 9

### ELEMENTARY EDUCATION

112. PRINCIPLES OF ELEMENTARY EDUCATION. A synthetic treatment of the aims of education; the nature of the learner and of society, and the sociological needs of contemporary life. (3) BEECHEL. Daily 7

113. EDUCATIONAL TESTS AND MEASUREMENTS. Standardized and informal new-type tests for the elementary grades and the junior high school; problems involved in the building, administering, scoring, and interpretation of results of tests. Fee, \$2. (2)

114. CLASSROOM MANAGEMENT. (3)

211. THE ELEMENTARY CURRICULUM. The selection and organization of subject-matter in the elementary school. Theoretical and practical phases of curriculum making. Prereq., 6 hrs. and Psychology 5.

(3) HANSEN. Daily 10

### SPECIAL EDUCATION

224. MECHANISM OF THE EAR AND ACOUSTIC TRAINING. A study of the mechanism of the ear, the process of hearing, the causes of deafness, retardation of the hard-of-hearing child, testing of hearing, acoustic training to improve residual hearing. Prereq., 6 hrs. and Psychology 5.

(2) RIDENOUR. MTThF 7

\*225. THEORY AND PRACTICE IN LIP-READING. The preparation of lessons for teaching beginners to do lip-reading, a study of the formations and combinations of sounds into words and sentences, special work in ear training for recognition of sound defects which occur in speech of deaf children. Prereq., 6 hrs. and Psychology 5. (2) RIDENOUR. MTThF 11

\*Private individual instruction may be secured by hard-of-hearing adults who desire to develop their ability in lip-reading to a greater degree.

### SECONDARY EDUCATION

130. PRINCIPLES OF SECONDARY EDUCATION. The general purpose of secondary education, relation to other levels of education, content and organization of curricula, and other topics. (3) BENZ. Daily 7

131. EDUCATIONAL TESTS AND MEASUREMENTS. Standardized and informal new-type tests for the senior high school. Problems involved in the building, administering, scoring, and interpretation of results of tests. Fee, \$2. (2)

230. HIGH SCHOOL ADMINISTRATION. Problems of school and class organization, discipline, grading, curricula, guidance, and extra-class activities in the secondary school. Prereq., 3 hrs. and Psychology 5.

(3) DIXON. Daily 9

231. THE JUNIOR HIGH SCHOOL. The development, organization, and administration of the junior high school including objectives, curricula, guidance program, methods of instruction, and student activities. Prereq., 9 hrs. and Psychology 5. (2) SIAS. MTThF 7

232. THE HIGH SCHOOL CURRICULUM. The high school program of studies, the contributions of various subjects, integration, theories of curriculum construction, curriculum research, and desirable steps in reorganization. Prereq., 6 hrs. including 130. (2) BENZ. Daily 9

### SCHOOL ADMINISTRATION AND SUPERVISION

203. SUPERVISION IN KINDERGARTEN-PRIMARY EDUCATION. See Kindergarten-Primary.

240. SCHOOL ADMINISTRATION. The state, county, and city boards of education, the superintendent, their powers and duties, and the organization and administration of the public school system. Prereq., 3 hrs. and Psychology 5. (3) DIXON. Daily 10

242. CHILD ACCOUNTING. Records and reports which should be available for an intelligent understanding of the welfare of the child. Prereq., 3 hrs. and Psychology 5. (2) DIXON. MTThF 8

244. PROBLEMS IN SCHOOL ADMINISTRATION. Special problems determined by the interests of the students treated intensively. Prereq., 9 hrs. including 240 or 230. (2) SIAS. Arranged

246. SUPERVISION OF INSTRUCTION. The evolution of supervision, outstanding supervisory programs, principles underlying democratic super-

vision, techniques which promote the growth of the teacher in service. Prereq., 12 hrs. including 201, 211, or 232. (3)

248. VOCATIONAL GUIDANCE. The various phases of educational and vocational guidance. Prereq., 6 hrs. and Psychology 5. (2) SIAS. MTThF 11

#### HISTORY AND PHILOSOPHY

150. HISTORY OF MODERN ELEMENTARY EDUCATION. The development of elementary education especially in the American schools.

(3) WAGNER. Daily 7

251. HISTORY OF EDUCATION IN THE UNITED STATES. The European social, economic, and political influence on colonial life and education. The development and expansion of public education in the United States. Prereq., 3 hrs. and Psychology 5. (3) SHOEMAKER. Daily 8

254. COMPARATIVE EDUCATION. A course based upon the study of the national school systems of western Europe. Prereq., 9 hrs. and Psychology 5. (3-6) SHOEMAKER. Daily 9

255. PHILOSOPHY OF EDUCATION. The meaning and educational implications of idealism, pragmatism, and behaviorism and their influence on trends in educational theory and practice. Prereq., 9 hrs.

(3) SHOEMAKER. Daily 11

256. PROGRESSIVE EDUCATION AT HOME AND ABROAD. A study of a movement in education which questions beliefs, judgments, and practices in organized education. Prereq., 15 hrs. and Psychology 5.

(3) BEECHEL. Daily 8

257. CURRENT EDUCATIONAL LITERATURE. A comprehensive study of current contributions to education. Fee. \$3. Prereq., 6 hrs. and Psychology 5. (3)

#### LABORATORY SCHOOL SUPERVISION

271. LABORATORY SCHOOL PROBLEMS. For critic teachers, demonstration teachers, directors of student teaching in public-training institutions, and for those desiring to prepare for such positions. Prereq., 6 hrs. and Psychology 5. (2)

273. SUPERVISION OF STUDENT TEACHING. Provides the novice supervising critic with experience in guiding students doing student teaching. Graduate students with teaching experience are admitted by permission. Prereq., 211 or 232 and 271 or with 271. (4-6) BEECHEL. Arranged

#### RESEARCH AND SCIENTIFIC TECHNIQUES

281. EDUCATIONAL STATISTICS. The tabulation and graphical representation of educational data. Practice in the use of statistical tables and calculating machines. Prereq., 6 hrs. and Psychology 5. (3)

284. RESEARCH IN EDUCATION. Students are directed in the investigation of selected phases of educational theory and practice. Prereq., 9 hrs. and Psychology 5. (2-6) The staff. Arranged

395. THESIS. (4-8) The staff

#### STUDENT TEACHING AND PREREQUISITES

The College of Education specifies 3 semester hours of observation and participation and from 4 to 8 semester hours of student teaching in the requirements outlined for the degree, Bachelor of Science in Education, and for a two-year diploma. Student teaching credit may be transferred from accredited colleges but will not fully satisfy the requirements. In no case shall fewer than 2 or 3 semester hours of student teaching in the training schools of the University satisfy this requirement.

Students with approved teaching experience who wish to take their Observation and Student Teaching during the summer session may be allowed to satisfy the requirement by taking two hours of Observation and Participation and three hours of Student Teaching. Students who are planning to graduate with the two-year kindergarten-primary diploma will be required to take two hours of Student Teaching, in addition to the general requirement, to gain experience in both the kindergarten and primary fields. A student without experience will not be able to complete the full requirement of three hours of Observation and Participation and four hours of Student Teaching during the summer session. It will be possible, however, to complete four hours of Student Teaching in elementary education if 3 hours of Observation and Participation have been completed. Student Teaching reservations should be made before the opening of the semester or summer session in which the work is to be completed. Reservation blanks can be secured from the Director of Student Teaching.

#### GENERAL PREREQUISITES FOR ALL STUDENT TEACHING:

1. At least C average in English Composition or C grade in the last semester of English Composition.
2. Demonstrated ability to speak and write English correctly and effectively.

#### PREREQUISITES FOR STUDENT TEACHING IN THE ELEMENTARY SCHOOL:

1. Completion of at least 32 semester hours of the outlined course including prerequisite requirements with at least a C or one point scholastic average.
2. A scholastic average of C or one point in all professional courses.
3. A score of at least 80 on the Ayers Scale for Handwriting.

#### PREREQUISITES FOR STUDENT TEACHING IN THE HIGH SCHOOL:

1. Completion of 90 semester hours of the outlined course with at least C or one point scholastic average.
2. Completion of not fewer than 16 semester hours with a grade of C in the subject in which the student wishes to teach.
3. Completion of the following courses in education with at least C or one point scholastic average:
  - Principles of Secondary Education (3)
  - Techniques of Teaching (in subject he wishes to teach) (2)
  - Educational Psychology (3)
  - High School Observation and Participation (3)
  - School or High School Administration (3)
  - \*Educational Measurements (2)

#### STUDENT TEACHING AND OBSERVATION AND PARTICIPATION

171. **OBSERVATION AND PARTICIPATION IN KINDERGARTEN-PRIMARY GRADES.** The course should be taken in conjunction with course 172.  
 (3) SIAS, and supervising critics

172. **STUDENT TEACHING IN KINDERGARTEN-PRIMARY GRADES.** Fee, \$4.  
 Prereq., 171 or with 171. (4) SIAS, and supervising critics

173. **STUDENT TEACHING IN KINDERGARTEN-PRIMARY GRADES.** Students specializing in kindergarten do two hours of student teaching in the first and second grades; those specializing in primary grades, in the kindergarten. Fee, \$2. Prereq., 172. (2) SIAS, and supervising critics

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\*Not required of majors in art, commerce, home economics, industrial arts, mathematics, music, or physical welfare.

174. ADVANCED STUDENT TEACHING IN KINDERGARTEN-PRIMARY GRADES. Fee, \$1 for each credit hour. Prereq., 172 and 173.  
 (2-4) SIAS, and supervising critics

175. OBSERVATION AND PARTICIPATION IN INTERMEDIATE GRADES. The course should be taken in conjunction with 176.  
 (3) SIAS, and supervising critics

176. STUDENT TEACHING IN INTERMEDIATE GRADES. Fee, \$4. Prereq., 175 or with 175. (4) SIAS, and supervising critics

177. ADVANCED STUDENT TEACHING IN INTERMEDIATE GRADES. Fee, \$1 for each credit hour. Prereq., 176. (2-4) SIAS, and supervising critics

178. STUDENT TEACHING IN SPECIAL EDUCATION. Fee, \$4. Prereq., 175 or with 175. (4) SIAS, and supervising critics

180. OBSERVATION AND PARTICIPATION IN HIGH SCHOOL ACADEMIC SUBJECTS. (3) SIAS

181. STUDENT TEACHING IN HIGH SCHOOL ACADEMIC SUBJECTS. Fee, \$4. Prereq., 180 or with 180. (4) SIAS, and supervising critics

182. OBSERVATION AND PARTICIPATION IN SPECIAL SUBJECTS. (3) SIAS, and supervising critics

Majors in art and music observe largely in the elementary field.

Majors in commerce and industrial arts observe in the junior and senior high schools.

Majors in home economics take the course in conjunction with course 183.

Majors in physical welfare divide the observing time equally between the elementary grades and the high school.

183. STUDENT TEACHING IN SPECIAL SUBJECTS. These subjects are art, commerce, home economics, industrial arts, music, and physical welfare. Fee, \$1 for each credit hour. Prereq., 182 or with 182.

(2-4) SIAS, and supervising critics

273. SUPERVISION OF STUDENT TEACHING. See Laboratory School Supervision.

#### TEACHING TECHNIQUES

##### (ART AND INDUSTRIAL ARTS)

60e. TEACHING OF ART FOR EARLY CHILDHOOD. 2 lec. and 2 lab. Prereq., Painting and Allied Arts 3. (1) WORK. MTThF 11

60i. TEACHING OF ART FOR INTERMEDIATE AND HIGHER GRADES. 2 lec. and 2 lab. Prereq., Painting and Allied Arts 3.

(1) BEDFORD. MTThF 7; WORK. MTThF 10

160i. TEACHING OF INDUSTRIAL ARTS. (3) Daily 11

##### (COMMERCE)

161s. TEACHING OF SHORTHAND. Prereq., Secretarial Studies 151 or an eighty-word dictation test. (2) COSGROVE. MTThF 8

##### (DRAMATIC ART)

162h. TEACHING OF HIGH SCHOOL DRAMATICS. Sources of dramatic material, methods of casting, staging, and production from the point of view of the secondary school. Organization and function of the dramatics club. Prereq., 4 hrs. dramatic art, and 12 hrs. English, or permission.

(2) DAWES. MTThF 10

162s. TEACHING OF SPEECH IN THE GRADES. The various phases of speech pertaining to work in the elementary grades. Assembly programs, oral interpretation, intra and inter class debates, platform delivery, and educational dramatics. (2) DAWES. MTThF 9

## (ELEMENTARY EDUCATION)

63a. TEACHING OF READING IN PRIMARY GRADES. Period of preparation for reading instruction, the initial period, period of rapid growth in fundamental attitudes, habits and skills; scientific investigations and their results. (2)

63b. TEACHING OF READING IN INTERMEDIATE GRADES. A study of the materials of reading, methods and procedures, diagnostic and remedial work. (2)

63i. TEACHING OF ARITHMETIC IN INTERMEDIATE GRADES. Methods of presenting the subject-matter of the arithmetic curriculum in grades four, five, and six; results of experimental investigations; standardized tests and mechanical drill devices. (3) BENZ. Daily 8

63p. TEACHING OF ARITHMETIC IN PRIMARY GRADES. Methods of teaching the subject-matter of the arithmetic curriculum in grades one, two, and three; results of experimental studies and recent developments in educational psychology. (3) Daily 10

## (ENGLISH)

64l. TEACHING OF LANGUAGE IN THE GRADES. Composition, grammar, and spelling in grades 3 to 6. Prereq., English 3. (2) FOSTER. MTThF 8, 11

164b. TEACHING OF ENGLISH IN THE SENIOR HIGH SCHOOL. A study of the content and presentation of grammar and composition. Prereq., English 4. (2) WRAY. MTThF 11

## (HOME ECONOMICS—see Science)

## (MATHEMATICS—see Science)

## (MUSIC)

166g. TEACHING OF MUSIC IN THE GRADES. Prereq., Music 1. (1) BLAYNEY. MTThF 7; MORLEY. MTThF 8

166h. TEACHING OF MUSIC IN JUNIOR AND SENIOR HIGH SCHOOLS. Prereq., permission. (3) DANIELSON. Daily 8

166i. TEACHING OF INSTRUMENTAL MUSIC. Methods of organizing and conducting classes in instrumental music and a survey of materials. Problems of organizing bands and orchestras. (3) INGERHAM. Daily 11

## (PHYSICAL WELFARE)

167b. TEACHING OF COACHING—WOMEN. Theory and practice of coaching field activities, hockey, and basketball. Fee, \$1. (2) Daily 9

167d. COACHING OF BASEBALL. Theory and Practice. Fee, \$1. (1) Second four weeks. GROVER. MTThF 11

167e. COACHING OF BASKETBALL. Theory and Practice. Fee, \$1. (2) First four weeks. GROVER. TTh 1-3, S 1-2  
Second four weeks. GROVER. MW 1-3, F 1-2

167f. COACHING OF FOOTBALL. Theory and Practice. Fee, \$1. (2) First four weeks. PEDEN, TRAUTWEIN. MW 1-3, F 1-2  
Second four weeks. PEDEN, TRAUTWEIN. TTh 1-3, S 1-2

167h. TEACHING OF HEALTH. Instruction, principles, and curricula used in presenting health information to children of the different school levels. Prereq., Physical Welfare 22. (2) Second four weeks. HERBERT. MTThF 7, 8

167p. TEACHING OF PHYSICAL WELFARE. Physical Education for elementary and secondary schools. Not required of majors. (1) HUGHES. WS 8

167t. COACHING OF TRACK. Theory and practice in track and field athletics. Fee, \$1.

(1) First four weeks. HERBERT. MTThF 11

(SCIENCE)

168b. TEACHING OF BOTANY. (2) MATHENY. MTThF 9

168h. TEACHING OF HOME ECONOMICS. Prereq., 6 hrs. home economics. (2) STARK. MTThF 9

168j. TEACHING OF MATHEMATICS IN JUNIOR HIGH SCHOOL. (3) Daily 10

168m. TEACHING OF MATHEMATICS IN SENIOR HIGH SCHOOL. (2) MTThF 9

168p. TEACHING OF PHYSICS. Physics in the curriculum. Objectives, selection of subject-matter and laboratory work, and order of treatment. Prereq., one course in physics. (2) ATKINSON. MTThF 10

168s. TEACHING OF CHEMISTRY AND LABORATORY PRACTICE. Instruction and practice in laboratory teaching and supervision. Prereq., permission. (2) GULLUM. Arranged

168z. TEACHING OF ZOOLOGY. Fee, \$2. Prereq., Zoology 2 or 4, and an additional laboratory course in zoology. (2) STEHR. MTThF 7

(SOCIAL SCIENCES)

169e. TEACHING OF HISTORY IN ELEMENTARY SCHOOLS. (2) SMITH. MTThF 10

169g. TEACHING OF GEOGRAPHY. This course deals with the professionalized subject-matter of geography in the grades and junior high school. 4 or 5 field trips during afternoons. (3) Dow. Daily 7

169h. TEACHING OF HISTORY AND CIVICS IN JUNIOR AND SENIOR HIGH SCHOOLS. (2) SMITH. MTThF 8

## ENGLISH

3. ENGLISH COMPOSITION. Emphasis is placed upon practice in composition. (3) MACKINNON and HEIDLER. Daily 9 and 10

4. ENGLISH COMPOSITION. A continuation of course 3. (3) BENNETT and LASH. Daily 8 and 9

101. SOPHOMORE ENGLISH LITERATURE. A study of eight of the chief English authors from the beginnings of English literature to 1750. Prereq., 4. (3) CASKEY. Daily 8

102. SOPHOMORE ENGLISH LITERATURE. A continuation of course 101, studying chief English authors from 1750 to the present. Prereq., 101. (3) LASH. Daily 10

125. AMERICAN POETRY FROM 1815 TO 1890. Perreq., 4. (3) FOSTER. Daily 7

127. AMERICAN PROSE. Selected material from the chief prose writers from Franklin to Holmes. Prereq., 4. (3) HEIDLER, WRAY, CASKEY. Daily 8, 9 and 10

128. ENGLISH POETRY. A study of the poetry from 1789 to 1890. Prereq., 4. (3) WRAY. Daily 8

150. THE SHORT STORY. A historical and critical study of the short story. Lectures and extensive reading in short story classics. Prereq., 4. (2) BENNETT. MTThF 11

164a. TEACHING OF LANGUAGE IN THE GRADES. See EDUCATION—Teaching Techniques.

164b. TEACHING OF ENGLISH IN THE SENIOR HIGH SCHOOL. See EDUCATION—Teaching Techniques.

175. CREATIVE WRITING. The work is adapted to the individual and the instruction is largely by conference. Prereq., 4 and permission.

(2) MACKINNON. Arranged

201. SHAKESPEARE. A study of the comedies and Roman historical plays. Prereq., 12 hrs. (3) BENNETT. Daily 9

213. ENGLISH PROSE FICTION. A lecture course in the development of the novel. Each student is expected to report upon a list of twelve novels. Prereq., 12 hrs. (3) MACKINNON. Daily 8

225. CONTEMPORARY AMERICAN POETRY. A study of the works of Robinson, Sandburg, Frost, Lindsay, and others. Prereq., 12 hrs.

(2) FOSTER. MTThF 10

234. MODERN DRAMA. A reading and discussion of modern and contemporary plays. Prereq., 12 hrs. (2) LASH. MTThF 8

273. CHAUCER. Prereq., 12 hrs. (2) HEIDLER. MTThF 9

291. SEMINAR IN ENGLISH (EIGHTEENTH CENTURY). An introduction to literary research. Prereq., 18 hrs. (2) CASKEY. MTThF 9

395. THESIS. (4-8) The staff

## GEOGRAPHY AND GEOLOGY

105. GEOGRAPHY OF LATIN AMERICA. The course develops in detail the geography of the natural resources of Latin America and the geographic environment which influences them. (3) KARNES. Daily 11

112. GEOGRAPHY OF ASIA AND ITS ISLANDS. (3) Dow. Daily 8

125. GEOLOGY. A study of physiographic geology. Includes four or five field trips during afternoons. Fee, \$3. (3) Dow. Daily 9

131. GEOGRAPHY OF OHIO. The geography of Ohio is developed from the regional point of view and by means of the problem method.

(2) KARNES. MTThF 9

145. GEOGRAPHIC INFLUENCES IN AMERICAN HISTORY. A course developed to show the importance of geographic factors in the growth of our nation. (3) KARNES. Daily 10

150. GEOGRAPHY AND ENVIRONMENT (ADVANCED PRINCIPLES OF GEOGRAPHY). A course in the aspects of geography which have to do with the adjustments of man to his natural environment throughout the world.

(3) SCHESSELMAN. Daily 7

169g. TEACHING OF GEOGRAPHY. See EDUCATION—Teaching Techniques.

201. WEATHER AND CLIMATE. The atmosphere and its processes. Weather forecasting and the causes and distribution of climate. Fee, \$3. Prereq., 6 hrs. (3) SCHESSELMAN. Daily 10

210. POLITICAL GEOGRAPHY. A study of the geography of boundary lines, of colonial policies, and of the geographic principles which influence international relations and problems. Prereq., 6 hrs.

(3) SCHESSELMAN. Daily 8

381. RESEARCH IN GEOGRAPHY. Prereq., 15 hrs. (1-2) KARNES

## GERMAN

1s-2s. BEGINNING GERMAN. The material of the first year of college German is covered. Drill in pronunciation and grammar, simple reading, and some practice in conversation. Students who have had course 1, or its

equivalent, may register for course 2s (3) only and may enter the class after the first four weeks. However, it is generally advisable that such persons attend the class the entire session for a systematic review.

(6) HESS. Daily 8-10

102s. INTERMEDIATE GERMAN. Systematic training in pronunciation, reading, translation, and formal composition. The course fits the needs of those desiring either semester of second year German in Ohio University, and will not duplicate other courses given previously. Prereq., 101 or 2 yrs. high school German. (3) HESS. Daily 11

121. GERMAN PROSE READINGS. Three recitations with course 102s, and a report on outside reading once a week as arranged. Prereq., 102.

(2) HESS. MWF 11

## GOVERNMENT

2. AMERICAN GOVERNMENT. A study of state and local governments. (3) SMITH. Daily 7

202. CONSTITUTIONAL LAW. A study of the Constitution as interpreted by the courts. Prereq., 6 hrs. government or history.

(2) HOOVER. MTThF 11

229. CURRENT INTERNATIONAL PROBLEMS. An introduction to international relations through world problems of current interest. Prereq., 6 hrs. government or history. (3) VOLWILER. Daily 9

231. COMPARATIVE EUROPEAN GOVERNMENTS. Emphasis will be placed on the basic principles on which the principal European governments function. Prereq., 6 hrs. in government or history.

(3) JONES. Daily 8

301. PROBLEMS IN GOVERNMENT. Prereq., 15 hrs. government or history. (1-3) SMITH. Arranged

395. THESIS. (4-8) The staff

## HISTORY

1. SURVEY OF EUROPEAN CIVILIZATION. The development of European civilization from the decline of the Roman Empire to the close of the Reformation. (3) VOLWILER. Daily 11

2. SURVEY OF EUROPEAN CIVILIZATION. The development of European civilization from the close of the Reformation to the present time. (3) JONES. Daily 9

102. ENGLISH HISTORY SINCE 1485. (2) CASE. MTThF 7

110. HISTORY OF UNITED STATES TO 1861. (3) HOOVER. Daily 8

111. HISTORY OF UNITED STATES SINCE 1861. (3) FIELD. Daily 9

132. HISTORY OF OHIO. (2) HOOVER. MTThF 10

169e. TEACHING OF HISTORY IN ELEMENTARY SCHOOLS. See EDUCATION—Teaching Techniques.

169h. TEACHING OF HISTORY AND CIVICS IN JUNIOR AND SENIOR HIGH SCHOOLS. See EDUCATION—Teaching Techniques.

204. ENGLISH HISTORY, TUDOR PERIOD. Prereq., 6 hrs. (2) JONES. MTThF 7

212. EUROPE IN THE NINETEENTH CENTURY. A study of England, France, Germany, Italy, and Russia and their international relations. Prereq., 6 hrs. (3) CASE Daily 10

241. BRITISH EMPIRE. Prereq., 6 hrs. (3) CASE. Daily 8

301. HISTORIOGRAPHY. Bibliographical guides, historical periodicals, schools of historical interpretation, representative historians and their writings, introduction to the technique of historical research and writing. Prereq., 15 hrs. history and government. (2) VOLWILER. Arranged

391. SEMINAR IN HISTORY. Reports and essays based upon original research with group discussion and criticism. Prereq., 15 hrs. history and government and permission. (1-3) HOOVER. Arranged

395. THESIS.

(4-8) The staff

## HOME ECONOMICS

### CLOTHING AND TEXTILES

1. CLOTHING SELECTION AND CONSTRUCTION. Essential factors entering into a wise choice of clothing. Problems in constructing simple garments. 2 lec. and 8 lab. Fee, \$3.

(3) MORSE. WS 7; MTThF 7-9

168h. TEACHING OF HOME ECONOMICS. See EDUCATION—Teaching Techniques.

211. ECONOMICS OF CLOTHING. Clothing of today relative to market quality, cost, creative factors, fashion trend legislation. Construction of garments from wool and silk. 2 lec. and 8 lab. Prereq., 1 and 110.

(3) MORSE. WS 10; MTThF 10-12

215. HISTORY OF COSTUME AND OF TEXTILES. Brief study of costume and of textiles through the ages with laboratory coordination in stage costumes and figurine dressing. 2 lec. and 4 lab. Prereq., 1 and 110.

(2) MORSE. WS 9; MTThF 9

### FAMILY RELATIONSHIPS AND CHILD DEVELOPMENT

273. FAMILY RELATIONSHIPS. The functioning of the successful family, including a consideration of the social and emotional problems of the home. Prereq., 272, 3 hrs. sociology, and 3 hrs. psychology.

(3) JUSTIN. Daily 8

### FOODS AND NUTRITION

21. FOODS AND NUTRITION. Energy, protein, mineral, and vitamin requirements. Cost in relation to food value. Planning, preparation, and serving well-balanced meals. Social customs in relation to serving food. 2 lec. and 8 lab. Fee, \$3. (3) STARK. WS 10; MTThF 10-12

227. QUANTITY COOKERY. Institutional and commercial food problems. Field work in college dormitories, cafeterias, and cooperating institutions. Prereq., 21 or 22, and 222 or 225.

(3) PHILLIPS, SWANSON. MTThF 7. Lab. Arranged

### GENERAL HOME ECONOMICS

251. HOME MANAGEMENT. A study of the economic use of time, energy, and money as involved in the successful functioning of a home. Prereq., 21 or 22, and 32. (2) JUSTIN. MTThF 10

253. HOME MANAGEMENT LABORATORY. Residence in the home management house provides managerial experience in the modern household. Prereq., 21 or 22, and 32. (2) JUSTIN

256. ECONOMICS OF CONSUMPTION. Consumer buying problems; family income and expenditure; expenditures as measures of standards of living, consumer demand; and the effects of consumption on the economic welfare of society. Opportunity for special work in the field of major interest and for the application of the results of these studies to practical consumer problems. Prereq., 21 or 22, 1 or 110, or 6 hrs. Economics and Marketing.

(3) PHILLIPS. Daily 11

351. SPECIAL PROBLEMS IN HOME ECONOMICS. Individual research. The course is devoted to the planning, executing, and testing of results of problems. Prereq., 18 hrs. (2-4) The staff. Arranged

395. THESIS.

(4-8) The staff

### THE HOUSE AND ITS EQUIPMENT

32. HOUSEHOLD EQUIPMENT. The selection, cost, and care of household equipment. Minimum standards, grades, and tests for household equipment are studied. 4 lec. and 4 lab.

(3) PHILLIPS. WS 7-9 and MTThF 8

231. HOME PLANNING. The house and its furnishings from an historical, artistic, scientific, and practical standpoint. Problems in the selection and use of furniture, textiles, and accessories to fit the economic and social needs of the home. Field trips. 4 lec. and 4 lab. Fee, \$8. Prereq., 1 or 110, and 3 hrs. art. (3) STARK. WS 8-10 and MTThF 8

### INDUSTRIAL ARTS

1-2. ELEMENTARY WOODWORKING. A course in elementary woodwork. The students construct projects from blue prints and job sheets. 2 lec. and 8 lab. Fee, \$3. (3) Daily 10-12

7. SHEET METAL. Cutting, forming, making of seams, soldering, and riveting of materials used in sheet metal construction. The development of patterns and knowledge of the industry is an essential part of the work. 2 lec. and 6 lab. Fee, \$2. (2) MTThF 7-9

8. GENERAL SHOP. The following shop activities are presented: electricity, art metal, cold metal, and hand craft. 2 lec. and 6 lab. Fee, \$2. (2) KINISON. MTThF 10-12

109-110. CABINET MAKING. Paneling, veneering, drawer construction, framing, and door fitting made from blue prints and drawings. As the student advances, a difficult piece of cabinet work is constructed. 12 lab. Fee, \$3. Prereq., 2. (3) Daily 7-9

124. MACHINE SHOP. Chipping, filing, turning, thread cutting, polishing, shaper work and grinding. Care of lathes, shafting, and belting. 10 lab. Fee, \$2. (2) MTWThF 7-9

141-142. PRINTING. A study of the composition and nomenclature of type, point system, proof reading, grammatical rules, and a short history of printing. Laboratory work consists of learning the case, composition of straight matter and headings, distribution, pulling proofs, imposition, and platen press work. Includes the study of papers and paper making, care of stock, harmony and proportion, linoleum cuts, and setting job composition. 2 lec. and 8-10 lab. Fee, \$3. (3) KINISON. Daily 7-9

160i. TEACHING OF INDUSTRIAL ARTS. See EDUCATION—Teaching techniques.

212. SHOP EQUIPMENT. The study of purchasing equipment, planning of arrangement, importance of various machines, purchase of supplies and distribution. Prereq., 2, 7, and 109. 6 lec. (3) Daily 9

357. CURRICULUM BUILDING IN INDUSTRIAL ARTS. A study of curriculum building with special reference to integrating the work of industrial arts with other fields throughout the school program. Prereq., 16 hrs. (3) KINISON. Daily 9

381. RESEARCH IN INDUSTRIAL ARTS. Prereq., 15 hrs.

(3-6) The staff. Daily 10

395. THESIS.

(4-8) The staff

## JOURNALISM

102. NEWS WRITING. The course deals with the simple news story, stressing the lead. Particular attention is paid to diction and usage and to the fundamentals of sentence structure. Prereq., English 4.

(2) LASHER. MTThF 8

109. WRITING FOR PUBLICATIONS. This course is designed for teachers, school administrators, social workers, and others who wish to know the elementary technique of writing news and feature stories in order to publicize their particular interests. Legitimate methods of getting material into newspapers, magazines, professional journals, and other publications are discussed. Prereq., English 4.

(2) LASHER. MTThF 9

130. BOOK REVIEWING. Following a study of present day literary criticism, students write reviews dealing with various types of literature. Prereq., English 4.

(2) LASHER. MTThF 10

221s. FEATURE AND MAGAZINE WRITING. A study of newspaper, magazine, and syndicate feature stories is followed by practice in writing different types. Some of the problems considered are: how to discover desirable material, how to secure suitable illustrations, how to bring out the dominant interest, how to prepare and sell manuscripts. Prereq., 111 or 12 hrs. English.

(2) LASHER. MTThF 11

## MATHEMATICS AND ASTRONOMY

5. FRESHMAN MATHEMATICS. The number system, the rational operations, equations, exponents, radicals, logarithms, the trigonometric functions, right triangles, binomial theorems, quadratic equations, linear equations, determinants, graphs, theory of equations, functions of multiple angles, and the solution of triangles. Prereq., 3 or one yr. high school algebra and one yr. high school geometry.

(5) REED. Daily 8, MTThF 9

5a. COLLEGE ALGEBRA. Prereq., 3 or one yr. high school algebra and one yr. high school geometry.

(3) REED. Daily 8

5b. TRIGONOMETRY. Prereq., 5a.

(2) REED. MTThF 9

6a. FRESHMAN MATHEMATICS. Complex numbers, coordinate systems, progressions, the straight line, circle, conic sections, and polar forms. Prereq., 5.

(3) STARCHER. Daily 11

105. COLLEGE GEOMETRY. Problems of construction, loci, indirect methods, similar and homothetic figures, the triangle, medians, bisectors, altitudes, and transversals. Prereq., 6.

(3) REED. Daily 10

112. DESCRIPTIVE ASTRONOMY. A study of the earth as an astronomical body, of the motion and physical characteristics of the sun and other bodies of the solar system, and of the distances, constitution, and distribution of the stars and nebulae. Prereq., High Mathematics or 1 and 3.

(3) STARCHER. Daily 9

\*117. DIFFERENTIAL CALCULUS. Variables, functions, limits, differentiation and its applications to maxima and minima differentials, curvature, and the theorem of mean value. Prereq., 6.

(4) STARCHER. Daily 8; 2 hrs. Arranged

\*118. INTEGRAL CALCULUS. Integration, the definite integral, geometrical and physical applications of integration, series, expansion of functions, partial differentiation, multiple integrals, and a brief treatment of simpler types of differential equations. Prereq., 117.

(4) STARCHER. Daily 8; 2 hrs. Arranged

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\*The course in greater demand will be given.

168j. TEACHING OF MATHEMATICS IN JUNIOR HIGH SCHOOL. See EDUCATION—Teaching Techniques.

168m. TEACHING OF MATHEMATICS IN SENIOR HIGH SCHOOL. See EDUCATION—Teaching Techniques.

## MUSIC

### APPLIED MUSIC

ORGAN. Private instruction in organ according to the individual ability of the student. Two lessons a week. (1) KRESGE. Arranged

PIANO. Private instruction in pianoforte according to the individual ability of the student. Two lessons a week.

(1) KRESGE, LONGSTREET. Arranged

VIOLIN. Private instruction in violin according to the individual ability of the student. Two lessons a week.

(1) INGERHAM. Arranged

VOICE. Private instruction in all phases of voice culture, repertoire, etc. Two lessons a week. (1) ROBINSON. Arranged

WOOD AND BRASS INSTRUMENTS. Private instruction in wood and brass instruments according to the individual ability of the student. Two lessons a week.

(1) JANSSEN. Arranged

### HISTORY AND THEORY

\*11-12. MUSIC HISTORY. General development of music in all its phases from the primitive and ancient peoples through the classic music of the eighteenth century. Frequent incidental reports of contemporary music.

(2) JANSSEN. MTThF 8

\*105. HARMONY. Formation of major and minor scales; intervals, triads, and their relations in close and open positions; harmonizing of melodies; inversions, cadences, sequences, passing and auxiliary notes; original work.

(2) KRESGE. MTThF 9

\*106. HARMONY. Continuation of 105. (2) KRESGE. MTThF 9

\*113. ANALYSIS AND FORM. Detailed structural and harmonic analysis of musical compositions; monophonic and polyphonic analysis. Material used: the hymnal, *Songs Without Words*, etc. Prereq., 106.

(2) ROBINSON. MTThF 10

\*114. ANALYSIS AND FORM. Continuation of 113. (2) ROBINSON. MTThF 10

395. THESIS. (4-8) The staff

### MUSIC ACTIVITIES

BAND. Open to anyone who can meet the technical requirements of his chosen instrument. (1) JANSSEN. MTThF 3

CHORAL. Open to any student who is qualified vocally to participate. Program material includes chorales, madrigals, and other choral forms.

(1) ROBINSON. Arranged

ORCHESTRA. Open to all men and women students of the university. Admission for those demonstrating the required ability is by trials held at the beginning of the summer session. (1) INGERHAM. MTThF 2

\*The courses in greater demand will be given.

NOTE: Practice hours in piano, voice, and violin should be secured at registration time from Mr. Kresge.

## SCHOOL MUSIC

1. MUSIC FUNDAMENTALS. A course involving elementary theory, ear training, tone production, and sight singing of unison and part songs. Fee, \$2.

(2) BLAYNEY, MORLEY. Daily 9 and MW1; Daily 11 and TTh 1

## 3. EAR TRAINING AND SIGHT SINGING.

(2) DANIELSON. Daily 10 and MW1

127. MUSIC APPRECIATION. To familiarize students with the best material available for use in the elementary grades and high schools and methods of procedure in its presentation. (3) BLAYNEY. Daily 8

131. MUSIC MATERIALS AND SYSTEMS. A survey of materials and music systems in general use, emphasizing choral literature.

(2) DANIELSON. MTThF 9

166g. TEACHING OF MUSIC IN THE GRADES. See EDUCATION—Teaching Techniques.

166h. TEACHING OF MUSIC IN JUNIOR AND SENIOR HIGH SCHOOL. See EDUCATION—Teaching Techniques.

166i. TEACHING OF INSTRUMENTAL MUSIC. See EDUCATION—Teaching Techniques.

174. CONDUCTING. Individual practice in conducting materials appropriate for use in the junior and senior high schools. Technique of score reading. (1) DANIELSON. MTThF 11

## PAINTING AND ALLIED ARTS

## DESIGN

3. ART FUNDAMENTALS. Elementary principles. 2 lec. and 4 lab. (2) WILLIS. Lec. MTh 8, lab. TF 8, 9, MTh 9

11. THEORY OF DESIGN. The relationships of lines, areas, and colors in design and composition. 2 lec. and 4 lab.

(2) WORK. Lec. MTh 9, lab. TF 9, 10

12. THEORY OF DESIGN. Color theory applied to design. 3 lec. and 6 lab. Prereq., 11.

(3) BEDFORD. Lec. MWF 8, lab. TTh 8, 9, MWF 9

51. DRAWING. Modern composition. 2 lec. and 6 lab.

(3) WILLIS. Lec. MWF 10, lab. TTh 10, 11, MWF 11

60e. TEACHING OF ART FOR EARLY CHILDHOOD. See EDUCATION—Teaching Techniques.

60i. TEACHING OF ART FOR INTERMEDIATE AND HIGHER GRADES. See EDUCATION—Teaching Techniques.

103. PRACTICAL DESIGN. Art principles used in construction projects. 2 lec. and 4 lab. Fee, \$2. Prereq., 3, 12 or 31.

(2) BEDFORD. Lec. MTh 10, lab. TF 10, 11, MTh 11

113. LETTERING. Form, spacing, styles, and arrangement. 3 lec. and 6 lab. Prereq., 11.

(3) BEDFORD. Lec. MWF 9, lab. TTh 8, 9, MWF 8

391. SEMINAR IN DESIGN. Prereq., 18 hrs. and permission. (1-5) WORK. Arranged

395. THESIS. (4-8) The staff

## HISTORY AND THEORY

201. PRINCIPLES OF MODERN PAINTING. Problems in different media

for advanced students. 4 lec. and 8 lab. Prereq., 11, 12 or 31, 51, and 102.  
 (4) WILLIS. Lec. MTTh F11, lab. MTThF 11, W 10, 11

395. THESIS.

(4-8) The staff

### PAINTING

45. METHODS IN REPRESENTATION. A study of proportion, structure, and depth. 2 lec. and 4 lab.

(2) MITCHELL. Lec. TTh 8, lab. Arranged

46. METHODS IN REPRESENTATION. Color variations in nature related to paint. 2 lec. and 4 lab.

(2) MITCHELL. Lec. TTh 9, lab. Arranged

107. WATER COLOR. Current tendencies in painting with accent on technique. 2 lec. and 4 lab. Prereq., 12, 31 or 45 and 46, and 71.

(2) WORK. Lec. MTh 7, lab. TF 7, 8, MTh 8

121. REPRESENTATION. Methods using still life and cast models. 3 lec. and 6 lab. Prereq., 120.

(3) MITCHELL. Lec. MWF 9, lab. Arranged

206. PAINTING. Application of theories and methods. 12 lab. Prereq., 205.

(3) MITCHELL. Lec. MWF 1, lab. Arranged

220. ADVANCED WATER COLOR. 2 lec. and 4 lab. Prereq., 219.

(2) WORK. Lec. TF 8, lab. MTh 7, 8, TF8

393. SEMINAR IN PAINTING. Prereq., 331.

(3-9) MITCHELL. Arranged

395. THESIS.

(4-8) The staff

### PHILOSOPHY

7. ELEMENTARY ETHICS. The biological and social influences that affect behavior. Introduction to an ethical philosophy of life. Ample time is devoted to a consideration of contemporary personal and social problems.

(2) GAMERTSFELDER. MTThF 9

103. INTRODUCTION TO PHILOSOPHY. An elementary treatment of the chief problems of philosophy. The course is meant to introduce the student to the most interesting features of serious human thought and to put him in possession of the fundamental ideas necessary for forming a satisfactory philosophy of life.

(3) MARTIN. Daily 9

109. LOGIC. A study of the principles and methods of sound reflective thinking as applied in the special sciences, in oral or written exposition, and in argumentation generally.

(3) MARTIN. Daily 8

113. AMERICAN PHILOSOPHY. The thought movements in American history with a view to explaining the philosophical background of our literature, social institutions, and national character. Prereq., 3 hrs., or junior or senior rank.

(2) MARTIN. MTThF 11

395. THESIS.

(4-8) The staff

### PHYSICAL WELFARE

#### MEN

2. SPORTS. The activities offered give the student a selection from the following sports: touch football, tennis, archery, basketball, tumbling, apparatus, fencing, volleyball, boxing and wrestling, handball, paddle tennis, softball, golf, fly and bait casting, and badminton. Fee, \$1.

(1) TRAUTWEIN. Daily 11

22. PERSONAL AND PUBLIC HEALTH. The course provides students

with a fundamental knowledge of the source of material and an appreciation of the means whereby the health of the individual and of the group may be improved. (3) NESSLEY. Daily 9

121. PHYSICAL ACTIVITIES. Theory and practice in the following: touch football, soccer, speedball, basketball, handball, swimming, elementary tumbling, and apparatus. Methods and materials for teaching games and fundamental training. Fee, \$1. Prereq., 102 or 110.

(2) NESSLEY. Daily 10, 11

123. PHYSICAL ACTIVITIES. Various techniques and procedures appropriate for the following activities: archery, golf, tennis, volleyball, and badminton. Consideration is also given to individual and group methods. Fee, \$1. Prereq., 122. (1) HERBERT. Daily 9

127. FIRST AID. The treatment of emergencies and accidents in the home, on the street, in vocational pursuits, and on the athletic field. Emphasis on the teaching of safety in the elementary and secondary schools. The American Red Cross First Aid Certificate is given to those who pass the required examination. (2) HERBERT. MTThF 10

167d. COACHING OF BASEBALL. See EDUCATION—Teaching Techniques.

167e. COACHING OF BASKETBALL. See EDUCATION—Teaching Techniques.

167f. COACHING OF FOOTBALL. See EDUCATION—Teaching Techniques.

167h. TEACHING OF HEALTH. See EDUCATION—Teaching Techniques.

167p. TEACHING OF PHYSICAL WELFARE. See EDUCATION—Teaching Techniques.

167t. COACHING OF TRACK. See EDUCATION—Teaching Techniques.

#### MEN AND WOMEN

153. NATURE AND FUNCTION OF PLAY. Play programs for schools, recreation centers, playgrounds, and scouting.

(2) BIRD. { First four weeks MTThF 7, 8  
Second four weeks Daily 9, WS 8

204. INTERPRETATIONS AND OBJECTIVES. The development of physical education in different nations and their contributions to our present day methods. The relationship of objectives of physical education to other phases of education. Prereq., 16 hrs. (3) HATCHER. Daily 10

206. ORGANIZATION AND ADMINISTRATION OF PHYSICAL WELFARE. Physical and health education on all school levels, including athletics and intramural activities. Prereq., 16 hrs.

(2) BIED. First four weeks MTThF 9

209. PHYSICAL ACTIVITIES TESTS. A theoretical and practical study of tests and measurements. Various tests and measurements are analyzed to determine their place, use, and possibilities in physical welfare. Prereq., 10 hrs. (2) NESSLEY. MTThF 8

249. COMMUNITY RECREATION. A brief history of the play movement, programs and program making, general administration of playgrounds and community centers, and activities. Prereq. 8 hrs., and 153.

(2) HUGHES. MTThF 11

352. PROBLEMS IN PHYSICAL WELFARE. Prereq., 15 hrs.

(3) BIRD. Arranged

391. SEMINAR IN PHYSICAL WELFARE. For students who desire to pursue research or investigation in physical welfare. Reviews of current literature and discussions of physical activities. Prereq., 15 hrs.

(3) BIRD. Arranged

395. THESIS.

(4-8) The staff

## WOMEN

1. SPORTS. Students may choose from hockey, soccer, basketball, badminton, tennis, archery, volleyball, baseball, track and field. Fee, \$1.  
(1) Daily 10

3. SWIMMING. Instruction in strokes and diving according to student's ability. Fee, \$1.  
(1) Daily 9

103. SWIMMING. Instruction in strokes and diving according to student's ability. Fee, \$1.  
(1) Daily 10

104. SWIMMING. Instruction in strokes and diving according to student's ability. Fee, \$1.  
(1) Daily 11

121. PHYSICAL ACTIVITIES. Team and individual sports technique, dancing, swimming, squad work in self-testing activities, track and field. Students are given achievement tests and assigned activities and credit according to test results. Fee, \$1.  
(1) Daily 8

131. MASS GAMES. Fee, \$1.  
(1) HATCHER. Daily 11

167b. TEACHING OF COACHING—WOMEN. See EDUCATION—Teaching Techniques.

175. A SCHOOL PHYSICAL WELFARE PROGRAM. A summer session substitute for courses 171 and 172. The theory and practice of activities adapted to the capacities and needs of the different age periods.  
(2) HATCHER. MTThF 8

## PHYSICS

1, 2. THE PHYSICAL WORLD. These courses acquaint the student in an elementary and descriptive way with the principles underlying the physical world and how these principles are related to man's needs and interests.  
(3) Course 1, daily 8; Course 2, daily 10

3, 4. INTRODUCTION TO PHYSICS. Mechanics, heat, sound, electricity, magnetism, and light. Indicated for non-technical and pre-medic students.  
(3) ATKINSON. Course 3, daily 7; Course 4, daily 9

5-6. INTRODUCTION TO PHYSICS LABORATORY. Designed to accompany courses 3 and 4. 4 lab. Fee, \$4.  
(1) MCCLURE. TTh 8, 9, 10 or Arranged

114. GENERAL PHYSICS. For majors in physics, engineering, and chemistry. Prereq., Mathematics 6 and Chemistry 4.  
(3) MCCLURE. Daily 7

116. GENERAL PHYSICS LABORATORY. To be taken with course 114.  
4 lab. Fee, \$4.  
(1) MCCLURE. Arranged

168p. TEACHING OF PHYSICS. See EDUCATION—Teaching Techniques.

\*216. ELECTRICAL PHYSICS. A study of a. c. circuits, a. c. networks, electromagnetic waves, thermo-electricity. Prereq., Mathematics 118.  
(3) MCCLURE. Daily 11

\*223. IONS, ELECTRONS, AND IONIZING RADIATIONS. Some of the topics are: properties of gaseous ions, the charge of an ion, ionization by collision, cathode rays, X-rays. Prereq., 113, 114, and Mathematics 118.  
(3) MCCLURE. Daily 11

225. ADVANCED PHYSICS LABORATORY. (a) Mechanics and Heat. (1-3)  
(b) Electricity and Magnetism. (1-3). Fee, \$3. Prereq., 113, 114, and Mathematics 118.  
MCCLURE. Arranged

250. INTRODUCTION TO MODERN PHYSICS. Some topics: corpuscular

\*The course in greater demand will be given.

radiations, elementary quantum action, spectra of hydrogen, X-ray spectra, optical spectra. Prereq., Mathematics 118. (2) MCCLURE. Arranged

395. THESIS.

(4-6) The staff

## PSYCHOLOGY

1. GENERAL PSYCHOLOGY. An elementary, scientific study of the most significant facts and principles of mental life. Fee, \$1.

(3) ANDERSON, SCOTT. Daily 7, 11

3. CHILD PSYCHOLOGY. Topics considered: sensory life of child, emotions, curiosity, imagination, memory, imitation, language, art, moral and religious development. Prereq., 1. (3) PATRICK. Daily 7

5. EDUCATIONAL PSYCHOLOGY. The nature and rate of the learning process. The influence upon learning efficiency of such factors as heredity and environment, maturation, emotion, motivation, etc. Fee, \$1. Prereq., 1. (3) GENTRY. Daily 7, 11

113. PSYCHOLOGY OF JUNIOR AND SENIOR HIGH SCHOOL PUPILS. The contributions to adolescent personality of physical growth, glandular changes, and emotions; interests, religious experience, and maladjustment are also considered. Prereq., 1. (2) GENTRY. Daily 10

203. MENTAL MEASUREMENTS. The administration, methods and results of individual and group intelligence tests. Fee, \$1. Prereq., 6 hrs.

(3) ANDERSON, SCOTT. MTThF 8, M 2, 3; MTThF 10, W 2, 3; MTThF 9, T 2, 3.

205. CLINICAL PSYCHOLOGY. Lectures, discussions, and observations of selected cases. Survey of methods in clinical diagnosis of problem children and adults. Prereq., 9 hrs., including 203.

(3) PATRICK. Daily 11

210. MENTAL HYGIENE. The course aims to evaluate and synthesize information bearing upon mental health from the following fields: psychology, psychiatry, physiology, medicine, and sociology. Prereq., 8 hrs., or 6 hrs. and 6 hrs. sociology. (3) PATRICK. Daily 9

212. ABNORMAL PSYCHOLOGY AND MENTAL HYGIENE. Man's mental deviations from the normal; the theory, application, and limitations of psycho-analysis; methods of studying abnormal mental processes. Clinics at hospitals. Fee, \$1. Prereq., 8 hrs., or 6 hrs. and 6 hrs. Zoology.

(3) SCOTT. TThF 11, W 3, 4

225. MINOR PROBLEMS. Training in the scientific study of some problem of special interest to the student. Relatively independent work emphasized. Prereq., 8 hrs. and permission.

(1-3) The staff. Arranged

395. THESIS.

(4-8) The staff

## ROMANCE LANGUAGES

### FRENCH

1s-2s. BEGINNING FRENCH. Equivalent to one year in college or two years in high school. Grammar, pronunciation, reading, and conversation. (3-6) WILKINSON. Daily 7-9

101s. INTERMEDIATE FRENCH. For teachers and prospective teachers desiring a thorough review. The course does not overlap or conflict with other work given previously. Prereq., 2 or two years high school French.

(3) WILKINSON. Daily 11

395. THESIS.

(4-8) The staff

### ADDITIONAL FRENCH COURSE

239. NINETEENTH CENTURY FRENCH DRAMA. (MUSSET). If desired, students may arrange to substitute another dramatist for intensive study. Prereq., French 102. (1-2) WILKINSON. Arranged

## SPANISH

1s-2s. BEGINNING SPANISH. Equivalent to one year in college or two years in high school. Grammar, pronunciation, reading, and conversation. (3-6) ONDIS. Daily 8-10

102s. INTERMEDIATE SPANISH. Grammar review, idoms, composition, reading, and conversation. For teachers and prospective teachers desiring a thorough review. The course does not overlap or conflict with other work given previously. Prereq., 2 or two years high school Spanish.

(3) ONDIS. Daily 10

103. SPANISH CULTURE AND CIVILIZATION. The evolution of the culture and civilization of the Hispanic peoples. The Spanish Civil War. The course is conducted in English. (1) ONDIS. WS 11

251. ADVANCED SPANISH. Subjects and authors to be determined in conference. Prereq., 20 hrs. (1-4) ONDIS. Arranged

395. THESIS. (4-8) The staff

## SOCIOLOGY

3. EDUCATIONAL SOCIOLOGY. Education as a social process. The pupil as a person and a member of various groups. The sociological aspects of the curriculum, classroom organization, and teaching. The school in its relation to the community. (2) TAYLOR. MTThF 8

101. PRINCIPLES OF SOCIOLOGY. The basic facts and principles of human society, the factors and forces which condition social life, and the major concepts and techniques employed in sociological investigation and interpretation. (3) TAYLOR. Daily 9

103. SOCIAL PROBLEMS. The major social problems as forms of disorganization of personalities, social institutions, and communities and as influenced by various factors, particularly social change. Prereq., 101. (3) SHANNON. Daily 10

221. CONTEMPORARY SOCIAL MOVEMENTS. The better known utopian and socialistic philosophies. The two significant social experiments of the present time, namely, communism and fascism. The more recent proposals for achieving a planned and controlled social order. Prereq., 6 hrs.

(3) TAYLOR. Daily 11

224. CHILD WELFARE. The conditions, problems, programs, and agencies of child welfare, and the more important techniques of study, protection, and reconstruction of maladjusted children. Child welfare problems in Ohio and the findings of the White House Conference. Prereq., 9 hrs., or 6 hrs. and 3 hrs. Psychology. (3) SHANNON. Daily 9

239. SOCIAL SERVICE. Social case work. Problems of individuals and families in their social relationships. 5 to 7 hours a week in field work in social agencies of Athens county. Fee, \$5. Prereq., 9 hrs.

(3) SHANNON. MTThF 7

395. THESIS. (4-8) The staff

## ZOOLOGY

1. GENERAL BIOLOGY. A broad survey of biological principles. Topics: physiology and structure of animals and plants, nature of living material, source of energy, principles of reproduction, study of selected primitive forms. 4 lec. and 4 lab. Fee, \$8. (3) KRECKER. MTThF 8-10

2. GENERAL BIOLOGY. A continuation of course 1. Study of selected types illustrating the principles governing the evolution of organisms and society, distribution of animals and plants and their adjustments to their

environment; doctrine of evolution, principles of heredity. 4 lec. and 4 lab. Fee, \$3. (3) ROWLES. MTTThF 10-12

103. READINGS IN BIOLOGY. A course for students interested in advances in biological fact and thought, especially as applied to the field of human affairs. Fee, \$1. Prereq., 2 or high school biology.

(1) The staff. Arranged

107. PRINCIPLES OF HEREDITY. An introduction to heredity. The fundamental principles and mechanism of heredity followed by a review of what is known regarding heredity in man. Consideration to practical applications of heredity in social welfare, public affairs, and race betterment. Prereq., 2 or 4.

(3) KRECKER. Daily 7

119. GENERAL ENTOMOLOGY. A study of the structure, habits, and life-histories of insects, with practice in collecting, mounting, and identification. 4 lec. and 8 lab. Fee, \$4. Prereq., 2 or 4.

(4) STEHR. Daily 10-12

125. ELEMENTARY PHYSIOLOGY. A course in human physiology which considers the general physiological principles of structure and function. 4 lec. and 8 lab. Fee, \$4. Prereq., 2 or 4, and a knowledge of chemistry is desirable. (4) ROWLES. Daily 7-9

145. CLINICAL TECHNIC. The theory and practice of making the various tests in clinical pathology. Fee, \$1 for each credit hour. Prereq., 143 and permission. (2-8) ROWLES. Arranged

168Z. TEACHING OF ZOOLOGY. See EDUCATION—Teaching Techniques.

201. VERTEBRATE EMBRYOLOGY. The development of vertebrates illustrated by the chick and the pig. A preliminary consideration of fertilization and maturation followed by a study of the formation of foetal membranes and the development of organs. 4 lec. and 8 lab. Fee, \$4. Perreq., 112. (4) STEHR. Daily 8-10

216. ANIMAL PARASITES. A study of parasites in relation to human disease. The parasites infesting man, their life histories, the diseases they produce, means of prevention and cure. 4 lec. and 8 lab. Fee, \$4. Prereq., 10 hrs., and permission. (4) KRECKER. Daily 10-12

243. BIOLOGICAL STUDIES. Semi-independent studies under guidance. Fee, \$1 for each credit hour. Prereq., 10 hrs. and permission.

(2-8) Arranged

b. ECOLOGY—field and laboratory studies of the relation between animals and their surroundings. KRECKER, STEHR

c. ENTOMOLOGY—studies in classification, structure, life histories, and economic aspects of insects. STEHR

e. INVERTEBRATE ZOOLOGY—studies in invertebrate animals.

KRECKER, STEHR

f. PARASITOLOGY—studies in animal parasites.

g. PHYSIOLOGICAL ZOOLOGY—physiological and related experimental studies. ROWLES

h. READINGS IN BIOLOGY—readings dealing with biological history, theory, and advances.

j. VERTEBRATE ANATOMY—studies in gross and microscopic anatomy of vertebrate animals.

381. RESEARCH IN BIOLOGY. Work in bacteriology, ecology, entomology, invertebrate zoology, parasitology, physiological zoology, and vertebrate zoology. Fee, \$1 for each credit hour. Prereq., 20 hrs. in the subject and permission. (2-8) The staff. Arranged

395. THESIS.

(4-8) The staff

## THE POST SUMMER SESSION

The post summer session is organized to make it possible for students to study intensively for three weeks. Three hours credit only may be earned by a student. The registration fee is \$5.00 for each credit hour. No student teaching is offered in the post summer session.

The course offerings in this session are of necessity much restricted. Efforts have been made to furnish opportunities for study in those fields where experience has shown the student needs to be the greatest. In general, those three hour courses which do not secure registration of at least six students will be discontinued. Research courses are offered in certain departments in which students may register for a minimum number of hours.

The post summer session is an integral part of the University year, having similar standards of academic accomplishment. Credit obtained is fully recognized and may be counted toward the various degrees and diplomas which the University confers and awards. Attendance in this session also answers partial residence requirements for graduate degrees. Many of the courses are equivalent to those offered during the eight weeks' session, but some are reserved as a matter of policy for the post session only.

Descriptions for those courses for which the titles only are listed below are to be found in the section preceding in this bulletin.

Registration must be completed by noon Saturday, August 7. Classes begin Monday morning, August 9. The session closes at 4 P. M. Saturday, August 28. A fee of \$2.00 is charged all students registering after classes begin. No registrations will be accepted after Monday, August 9. Students wishing to do so may register by mail. For information, address the Office of the Registrar.

## COURSES OF INSTRUCTION

### AGRICULTURE

141. EVOLUTION AND HEREDITY. (3) COPELAND. Daily 8-11  
See description for Agriculture 142.

### BOTANY

102. GENERAL BOTANY. Fee, \$3. (3) MATHENY. Daily 8-11  
See description for Botany 101.  
or  
127. BACTERIOLOGY. Fee, \$3. (3) MATHENY. Daily 8-11

### CHEMISTRY

1. GENERAL CHEMISTRY. (3) GULLUM. Daily 8-11  
105. QUALITATIVE ANALYSIS. (3) GULLUM. Laboratory Periods Arranged. Daily 8-11

## COMMERCE

229. MODERN TRENDS IN ECONOMIC REFORM. This course deals with a comparative analysis of recent proposals for economic reform and includes a study of regulated capitalism, Nazism, Fascism, and the Russian experiment. Prereq., 102. (3) GRUCHY. Daily 8-11

281. RESEARCH IN ECONOMICS. Prereq., 15 hrs. in the department and permission. (2-3) GRUCHY. Arranged

281. RESEARCH IN FINANCE. Special studies in money, banking or business finance. Prereq., Economics 102, 9 hrs. in finance, and permission. (2-3) GRUCHY. Arranged

## EDUCATION

223. CURRICULUM FOR SPECIAL CLASSES. Types of curricula for special education, units of work, materials, and subject-matter suited to the mental ability and level, and methods of presenting and handling such units. Prereq., 3 hrs. and Psychology 5. (3) DELAND. Daily 8-11

240. SCHOOL ADMINISTRATION. (3) DIXON. Daily 8-11

243. THE FEDERAL GOVERNMENT AND EDUCATION. Prereq., 6 hrs. and Psychology 5. (3) SHOEMAKER. Daily 8-11

284. RESEARCH IN EDUCATION (2-3) Staff. Arranged

## ENGLISH

127. AMERICAN PROSE. (3) HEIDLER. Daily 8-11

128. ENGLISH POETRY. (3) FOSTER. Daily 8-11

250. CONTEMPORARY LITERATURE. An extensive reading course in the best books of the season. Prereq., 12 hrs. (3) MACKINNON. Daily 8-11

## GEOGRAPHY

111. FIELD GEOGRAPHY. Three days lecture on the Campus and fifteen days of field-work by bus through New England and Intermediate areas to study the inter-relationships between the natural environment and man's adjustments thereto by actual field observations and contact. Itinerary includes northeastern Ohio, northeastern Pennsylvania, the Finger Lake district, the Central Lowlands and Adirondacks, the Champlain Valley, Montreal, Quebec, the asbestos district of Canada, the Green and White Mountains, Portland, Boston, Cape Cod, Plymouth, Providence, Hartford, New Haven, the Berkshire Mountains, West Point, New York City, the Anthracite coal region, Gettysburg, and Pittsburgh.

Meals are to be secured individually en route. Club rates for lodging are available at good hotels and tourist camps averaging less than \$1.50 per person. The estimated total cost per person above tuition is \$100. The trip is contingent upon a registration of 25 students or more. (3) Dow.

NOTE: In case the field trip fails to materialize, Dr. Dow will offer any courses in Geography for which there is sufficient demand.

## HISTORY AND GOVERNMENT

254. CONTEMPORARY UNITED STATES. A study of the United States since 1900. Prereq., 6 hrs. (3) MORRISON. Daily 8-11

256. THE EMERGENCE OF MODERN AMERICA, 1877-1900. Social and intellectual conditions, agrarian unrest, rise of large corporations and their

regulations, railroad building, tariff policies during the Harrison-Cleveland era, the Spanish-American War, and the drift to imperialism and world power. Prereq., 6 hrs. (3) VOLWILER. Daily 8-11

## HOME ECONOMICS

### 1. CLOTHING SELECTION AND CONSTRUCTION.

(3) MORSE. Daily 8-12

## LATIN

220. VERGIL, LATIN EPIC. Translation of parts of the last six books of the Aeneid. Lectures on the general literary content and technique of the whole poem with the needs of teachers particularly in mind. Some study of Vergil in his relation to English literature. Prereq., 103.

(3) HILL or BROKAW. Daily 9-12

## PAINTING AND ALLIED ARTS

### 3. ART FUNDAMENTALS.

(2) WORK. Daily 7-9

### 60i. TEACHING OF ART FOR INTERMEDIATE AND HIGHER GRADES.

(1) WORK. Daily 8-12

## PSYCHOLOGY

### 5. EDUCATIONAL PSYCHOLOGY.

(3) LEHMAN. Daily 8-12

### 203. MENTAL MEASUREMENTS.

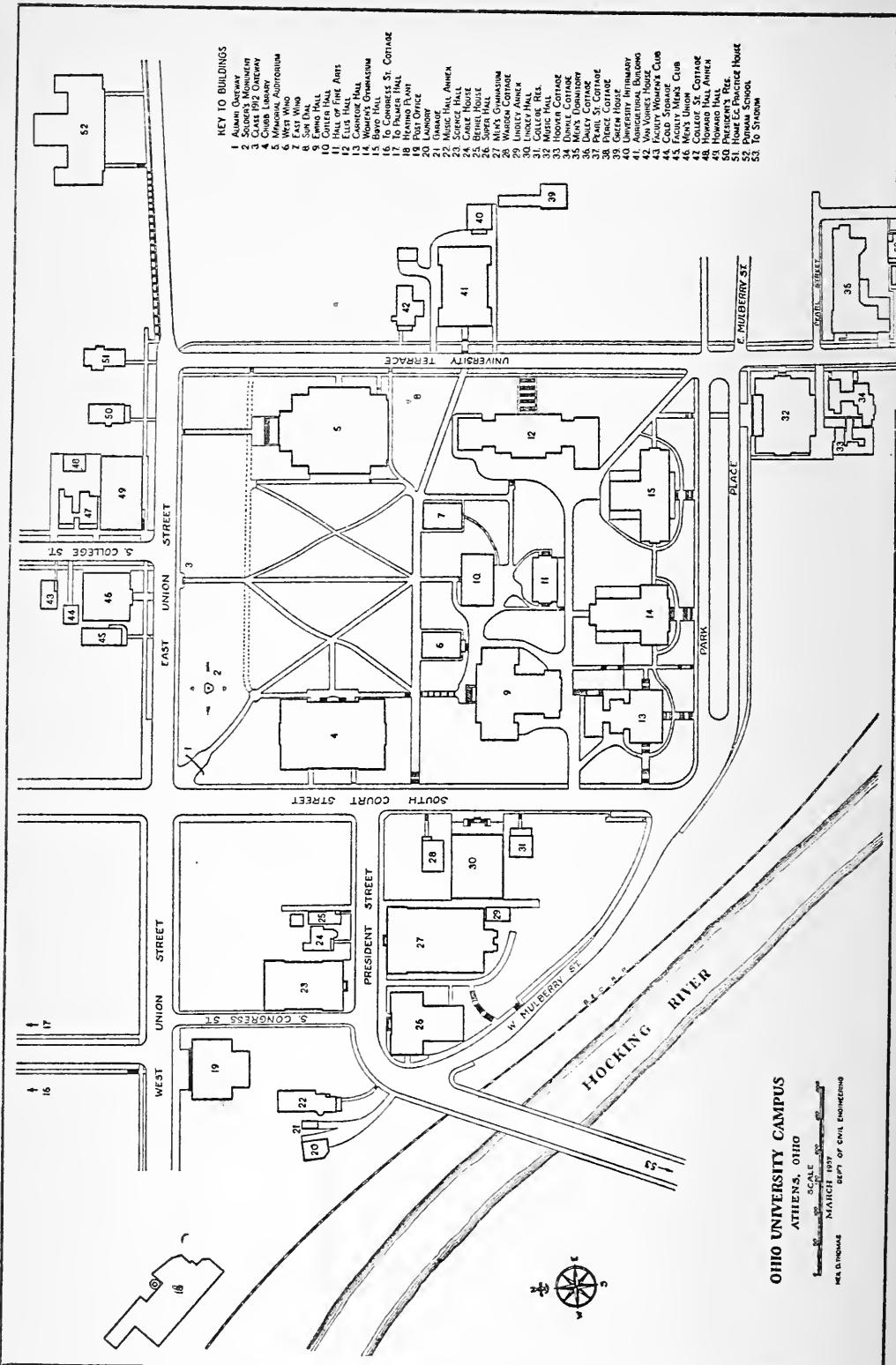
(3) ANDERSON. Daily 8-12

### 225. MINOR PROBLEMS.

(1-3) The staff. Arranged

## SOCIOLOGY

208. THE FAMILY. A historical study of human marriage and of the different types and forms of family life at different times and among different peoples; followed by a consideration of forces and influences affecting the stability of the modern family. Prereq., 9 hrs. or 6 hrs. and 3 hrs. in Economics. (3) ASH. Daily 8-11



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*"That there shall be a University instituted and established in the town of Athens, \* \* \* for the instruction of youth in all the various branches of the liberal arts and sciences, for the promotion of good education, virtue, religion, and morality, and for conferring all the degrees and literary honors granted in similar institutions."*

Section 1, Territorial Act, January 9, 1802.

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*"Whereas, institutions for the liberal education of youth are essential to the progress of arts and sciences, important to morality, virtue, and religion, friendly to peace, order, and prosperity of society, and honorable to the government that encourages and patronizes them," etc.*

Preamble, Act of Ohio Legislature Establishing The Ohio University, at Athens, February 18, 1804.

